



# ***The Resonator***

**Official Newsletter of the Fair Lawn (NJ) Amateur Radio Club**

**Volume 6, Number 12**

**www.FairLawnARC.org**

**December 2021**

## **From The President**

Dear FLARC Family,

Well, here it is... December, the last month of the year. 2021 was a year full of ups and downs, but we got through it. Many things learned, and experiences lived. We had a great annual meeting. As always, it was good seeing all of you at the Senior Center, and I appreciate those that also joined us virtually via Zoom.

Our gathering went well; it was a great time of fellowship. We appreciate that Elsa and Kerstin Howard joined us. It was a little over a month ago that our dear friend John, W2JLH left us, but Elsa and Kerstin know that they will always be part of the FLARC family and we will always remember John.

I would also like to congratulate Brian KD2KLN in his election as FLARC Trustee for the next three years. We know that he will work hard for the

Continued on page 51.

## **New Member Profile**

NAME: Paul Brennan    CALL: N6FB/MØJOV

### **What do you do/what did you do for a living?**

I work for the Federal Farm Credit Funding Corporation. It is part of the Federal Farm Credit system used to support rural communities and agriculture with reliable, consistent credit and financial services, today and tomorrow.

I have worked for Institutional money managers and worked on the design of Eurofighter Typhoon, F-35B, Corax and other military aircraft.

A varied career on both sides of the States and the Atlantic.

### **How did you get interested in ham radio?**

When I was young, I went to a state-run boarding school in Stourbridge in the middle of England. The school had a ham radio station run by the teachers (G4CVK) and it was always amazing to me that we could contact people in the UK, Japan, and South Africa on our Wednesday evening club session. Also hearing the Russian Morse operators tapping out 35 wpm from behind the Iron Curtain was amazing to a small kid stuck at school for weeks on end.

### **What parts of the hobby most interest you?**

Really interested in propagation and antennas. The attraction of FT8 is like the sirens call to Odysseus, tempting and easy to get contacts. Also really trying to brush up my ear and get my Morse back to some sort of speed.

Continued on page 16.

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## FLARC To Hold VE Testing On December 11<sup>th</sup>

**On Dec. 11, 2021** Fair Lawn Amateur Radio Club will continue amateur radio test sessions.

The location is at:

The Fair Lawn Recreation Center  
10-10 20<sup>th</sup> Street  
Fair Lawn, NJ

**NOTE THAT THIS IS AN INDOOR LOCATION!**

Covid-19 related incidents will cancel testing.

### Prior to Testing:

Send an email to [wo2w@arrl.net](mailto:wo2w@arrl.net) requesting to book your spot. **Pre-registration is REQUIRED.**

### Please Bring With You:

- You **MUST** bring and **WEAR** personal PPE items including a face mask
- 2 pens and 2 pencils. None will be provided to you due to possible virus transmission
- Your FRN number, and (if licensed) a copy of your ham license or a valid CSCE (Certificate of Successful Completion Exam)
- A completed Form 605 (which will be sent to you ahead of your test session, along with your assigned test time. )
- Additionally, the **\$15.00 exam fee**. This is payable in cash (**exact amount is a must**)
- 3 copies of the CSCE form which will be sent to you ahead of your test session

Additional scheduled testing dates are:  
January 8, 2022 and February 12, 2022.

*FLARC is following government Covid-19 guidance closely and all events will adhere accordingly to the latest advice.*

## November *Kawfee Tawks*™ Set New Attendance Records

FLARC was fortunate in having the greatest member and guest participation for its November Kawfee Tawk series to date.

A total of 122 viewers tuned in to the November 12<sup>th</sup> presentation by Barry Feirman K3EUI (72 guests) on “An Introduction to NANO VNA” and then a turnout of 50 guests to the November 19<sup>th</sup> presentation by Tom Perera W1TP on “Cold War Spy Radios and CIA Bugs.”

Barry’s presentation presented an overview to the topic and took many questions about getting started and how to make NANO VNA work in your shack. There was so much interest that he has agreed to return on a Saturday in mid to late February to talk more about the topic.

Tom’s presentation covered the WWII and Cold War period and included many devices used and the ability to use them and not get caught. As an added bonus, he demonstrated an actual Enigma device - which was not part of the plan but made for an added extra exciting evening.

Thanks to both and to you for attending!

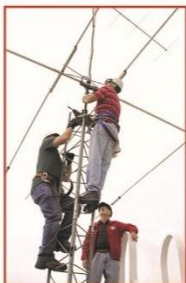


# The Fair Lawn Amateur Radio Club

Why Is FLARC New Jersey's Most Exciting Radio Club?

## Events

- Field Day
- Winter Field Day
- World Amateur Radio Day
- Portable Days
- Earth Day
- Special events
- Memorial Day parade
- Independence Day fireworks
- Fair Lawn Street Fair(s)
- Ham fests/Auctions
- Foxhunts
- Contests
- Field trips
- Annual holiday party
- ...and more!



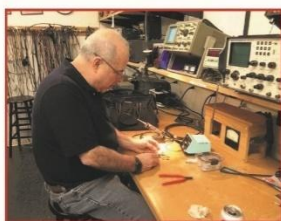
## There Is Something Every Night At FLARC!

- Monday: Near and Far Net
- Tuesday: DMR Net
- Tuesday: "Pop Up" Open House/Open Zoom
- Wednesday: ARES/RACES Net
- Wednesday: Health and Welfare Net
- Thursday: Tech Net (with BARA)
- Friday: Kawfee Tawk Speaker Series (monthly)
- Weekends: POTA and other station activations

There is Something for Everyone at FLARC!

## Special Interest Groups:

- Portable Ops: POTA, SOTA, etc.
- DX: Chase the rare ones
- Digital Voice: DMR and other digital modes
- FT8: And other WSJT modes
- Satellite: Also, for weather GPS interests
- Monitoring: SWL and other general listening
- And others to come!!



## Plus:

- Monthly VE Testing
- An active repeater – W2NPT (linked with NJ2BS)
- New equipment in the shack
- New antennas on the roof
- A five-position operating clubhouse
- Over 72 consecutive months of speaker programs to learn and grow.

## That's why FLARC is the best club around!!

Join us in our in-person and in our Zoom Room for more activities, speakers, and projects to come!

*FLARC is following Covid-19 government guidance closely and all events and activities will adhere accordingly to the latest advice.*

**The Club** Fair Lawn ARC is the fastest growing ham club around, with five operating positions in a permanent clubhouse. Visitors and guests are always welcome. The club is usually open every Friday night from NLT 6:30 PM.. Business meetings are the first Friday of the month at 7:30PM.

#### 2021 Officers, Committees and Assignments

President	Nomar Vizcarrondo	NP4H
Vice President	John L. Howard	W2JLH
Treasurer	Bruce Kalogera	NJ2BK
Secretary	Tom McCabe	N2AXX
Trustee	Ed Efchak	WX2R
Trustee	Don Cassarini	K2PD
Trustee	Fred Wawra	W2ABE

Field Day	Steve Wraga	WA2BYX
Member Services	Judith Shaw	KC2LTM
Publicity	Ed Efchak	WX2R
Publicity	Gene Ottenheimer	WO2W
Publicity	Judith Shaw	KC2LTM
Publicity	Susan Frank	W6SKT
Program	Lowell Vant Slot	W2DLT
Publicity	Karl Frank	W2KBF
Publicity	Nomar Vizcarrondo (ex officio)	NP4H
Social Media	Dave Marotti	NK2Q
Video/YouTube	Thom Guida	W2NZ
VE Liaison	Gene Ottenheimer	WO2W
VE Liaison	Pete Senesi	KD2BMX
Contests	Lowell Vant Slot	W2DLT
Education	Gordon Beattie	W2TTT
Education	Randy Smith	WU2S
Education	John L. Howard	K2JLH
Education	Fred Wawra	W2ABE
History	Fred Belghaus	W2AAB
Health and Welfare	Judith Shaw	KC2LTM

Photographer	Don Cassarini	N2PRT
W2NPT Trustee	Paul Cornett	W2IP
Technical	Paul Cornett	W2IP
Technical	Randy Smith	WU2S
Technical	Fred Wawra	W2ABE
RACES/ARES Director	Dave Gotlib	KD2MOB
RACES/ARES Liaison	Steve Wraga	WA2BYX
Newsletter Editor	Ed Efchak	WX2R
FL Town Liaison	Gene Ottenheimer	WO2W
Net Scheduler	Brian Cirulnick	KD2KLN
Quartermaster	Brian Cirulnick	KD2KLN

Congratulations to our 2022 Council!

President	Nomar Vizcarrondo	NP4H
V. President	David Corsello	KD2JIP
Secretary	David Gotlib	KD2MOB
Treasurer	Bruce Kalogera	NJ2BK
Trustee:	Ed Efchak	WX2R
Trustee:	Fred Wawra	W2ABE
Trustee:	Brian Cirulnick	KD2KLN

### Thanks to Don K2PD

Don K2PD has announced that he is relocating to Wisconsin shortly, and the club will sadly miss him.

He recently completed his 3-year term as a Trustee and had been Vice President earlier. His willingness to step up will always be remembered.

And also his great photographs of club activities have graced The Resonator for many years. Always professional quality, they have documented many of the club activities.

Don has assured us that he plans to remain a member of FLARC, and will keep in touch with us and our nets and activities.

Thanks for your service and good luck among the Badgers! Look for him on the air!!

### Field Day 2021 Results

Field Day 2021 results have been published and FLARC was credited with 2,466 points in this year's Field Day, with five entries.

This was better than 2020, but the ARRL doesn't provide the ability to look at comparative scores with past years as the pandemic has caused disruption to the event as we all know.

### Field Day 2022 is June 25-26

so mark your calendar.



## 2021 FLARC Kawfee Tawk Programs

<b>Date</b>	<b>Presenter</b>	<b>Program</b>
Friday, January 15, 2021	Lauren Libby W0LD	Trans World Radio/Operating A Super Station
Friday, February 19, 2021	Ed Efchak WX2R	The FLARC Member Survey
Friday, March 29, 2021	Otis Vincens NP4G	INDEXA
Friday, March 12, 2021	Dave Snyder KD2VGT	Pico Balloons, Ham Radio, and Seton Hall STEM
Friday, April 16, 2021	Wayne Smith WB2ONZ	Amateur Radio and The Civil Air Patrol
Friday, May 14, 2021	Bob Holstrom KD2BKD	Setting up DUDE-Star for Digital Voice Communications
Friday, May 21, 2021	Roland C Luetzelschwab K9LA	Propagation and Cycle 25
Friday, June 11, 2021	Barry Feurman K3EUI	Sound Card Digital Modes
Friday, July 16, 2021	Neil Goldstein W2NDG	Today's Kit Industry –Build Your Own Radio!!
Friday, July 23, 2021	Barry Feurman K3EUI	EMCOMM Needs For Digital Modes
Friday, August 13, 2021	Charlie Cebula AC2ZU	The Story of Project Diana
Friday, August 20, 2021	Larry Van Horn N5FPW	Listening to Military Aircraft via Satellite
Friday, September 10, 2021	Brian Cirulnick KD2KLN	Setting Up A Solar Powered Station (Tentative)
Friday, September 17, 2021	Clint Bradford K6LCS	How to Work Amateur Satellites with Your HT
Friday, September 24, 2021	Ria Jairam N2RJ	Amateur radio in Trinidad and Tobago
Friday, October 15, 2021	Kent Britain WA5VJB	All You Need To Know About Yagi Antennas
Friday November 12, 2021	Barry Feurman K3EUI	Beginner's Look at the Nano VNA
Friday, November 19, 2021	Tom Perera W1TP	SPY Radios and CIA Bugs
Friday, December 17, 2021	Rich Moseson W2VU	Thoughts About Growing Amateur Radio

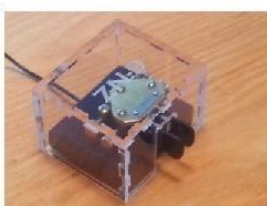
**Thanks For Supporting the  
FLARC 2021  
Kawfee Tawk Presentations!**

# WWW.GIFTS4HAMS.COM

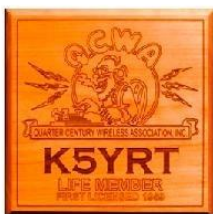
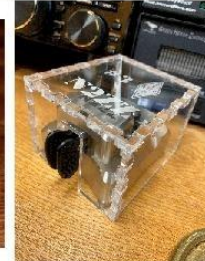
*EVERYTHING ENGRAVED FOR THE HAM STATION*



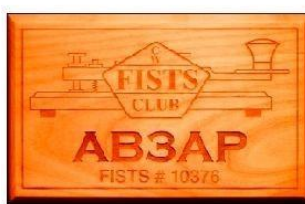
LED SIGNS  
CLUBS,  
ORGANIZATIONS  
& CUSTOM



KEY COVERS  
ALL MAKES AND MODELS  
BEGALI, N3ZN, VIBROPLEX  
KENT, CUSTOM KEYS, ETC.



LASER ENGRAVED  
WOOD PLAQUES, CLUBS  
SHARED SHACK



*PLUS MANY MORE ITEMS!*

## SIG Group Participation as of November 28, 2021



Hidetsugu Yagi's 130th Birthday Google Doodle

Here is an update on the roster of Special Interest Groups... and a welcome to our newest group — Contests! A nice growing interest in Portable Ops and EMCOMM!

## Follow FLARC ON THE WEB

Facebook: <http://facebook.FairLawnARC.org>

Twitter: @FairLawnARC

Blog: <http://blog.FairLawnARC.org>

Youtube: <http://youtube.FairLawnARC.org>

Website: <http://FairLawnARC.org>

Digital Voice	35
Monitoring	24
Portable Ops	43
DX	19
FT8	20
Satellite	17
EmComm	12
Contesting	12

FLARC General 168

Sign up for a group... or ... why not start one?

Contact [webmaster@FairLawnARC.org](mailto:webmaster@FairLawnARC.org)  
if you would like to start a new  
Special Interest Group.



## Thoughts About Growing Amateur Radio

### 2021 FLARC December 17<sup>th</sup> Kawfee Tawk™ Series

To close out its 2021 Kawfee Tawk™ Series, The Fair Lawn Amateur Radio Club will host a guest speaker who will provide perspectives on the current state of the hobby and ways to ensure its growth into the future.

Our speaker will be Richard Moseson (W2VU), Editorial Director of CQ Magazine, the leading independent publisher of magazines and books for the amateur radio market. He will speak on the topic "**We Have Met the Enemy and He is Us - Overcoming Our Own Misperceptions to Promote Ham Radio in the 21st Century.**" He will focus on how to grow ham radio with an emphasis on the continued importance of ham radio in the 21st century.

### The event will be held via Zoom on Friday, December 17, 2021, at 7:30PM.

Join the Zoom session at <https://zoom.us>  
Meeting ID: 865 7470 1658      Passcode: CQ

+1 646 558 8656 US (New York) <---- FOR LANDLINE USE ONLY  
Meeting ID: 865 7470 1658 Passcode: 586810

Rich Moseson is a journalist with extensive experience in print, broadcast, and online media. He has covered technology, education, health, features, breaking news, and news for young people in his career. His work as a magazine editor and TV news producer has given him significant management experience as well.

Rich has been with CQ since 1992 serving in various roles prior to becoming Editorial Director, so he brings a depth of knowledge about the scope of our hobby that few can match. Prior to joining CQ, Rich was a writer/producer for CBS News as well as a writer for Associated Press. An active and involved radio operator, Rich brings the unique perspective of being the hobbyist, journalist and the business-person in best understanding the current and future state of amateur radio.

For more information, please visit the club's website at <http://FairLawnARC.org>  
or call 201-791-3841 or the contact information above.



## **AMATEUR RADIO TESTING BY THE FAIR LAWN AMATEUR RADIO CLUB**

On December 11, 2021 the Fair Lawn Amateur Radio Club will continue amateur radio test sessions on a modified basis.

These sessions will be held at the **Fair Lawn Amateur Radio Club.**

**The location is at 10-10 20th Street, Fair Lawn, NJ**

The session starts at 9:15 AM.

**A document will be provided to you prior to the date to indicate the time assigned to you.**

You must have it with you to take the test.

### **Prior to Testing:**

Send an email to [wo2w@arrrl.net](mailto:wo2w@arrrl.net) requesting to book your spot.

**PRE-REGISTRATION IS REQUIRED - NO WALK-INS ACCEPTED.**

### **Upon Arrival:**

You must have a government issued ID such as a valid driver's license or passport, a filled out Form 605, and **3 filled out copies of the FCC CSCE form.**

### **Please Bring With You:**

- You **MUST** bring and WEAR personal PPE items including a face mask.
- 2 pens and 2 pencils. None will be provided to you, due to possible virus transmission.
- Your FRN number, and (if licensed) a copy of your ham license or a valid CSCE (Certificate of Successful Completion Exam).
- Additionally, the **\$15.00 exam fee**. This is payable in cash (exact amount is a must).





## **Bob Antoniuk N2SU on “The History of Call Signs”**

**Kicks Off the FLARC 2022 *Kawfee Tawk™* Speaker Series**

**On Friday, January 21<sup>st</sup> via Zoom**

Amateur radio call signs are the most personal item of a very fraternal hobby. We are more likely to know a fellow ham by their call sign than by their surname. But how did they come about and what are the intricacies that surround them?

Bob Antoniuk N2SU will share his knowledge of the subject with a short look back to the beginning and a quick review of the pre-1930 era of intermediates, etc. The depth of the discussion will be to take a close look at the era that starts with the introduction of the Novice license in the early 1950s and the beginning of the two-letter prefixes in 1958 and the victims of geography if your QTH was in New York, New Jersey or California. Bob will concentrate on the shift of population from the Northeast to the South and West and its effect on callsigns. He will also show the difference in the ham populations in each call area from 1967 to today, as well as the changes that occurred in 1978.

Finally, he will discuss how you can figure out your new callsign (approximately!) when you get your first license. Probably when you received your first license, you had no idea what you would get.

Bob, a FLARC member, started as an AM broadcast band DXer in 1968. That year for Christmas he received a Hallicrafters S-120 and got into shortwave for the next two years. He earned his Novice license in June 1971, upgraded to General in April 1972, and Extra in January 1975. He has been involved in the hobby for many years starting with traffic handling in the 1970s. Inactive from 1982-1991, he got into DX and has worked over three hundred countries on CW and digital modes. He has also done plenty of HF/VHF contesting. He has been a VE [Volunteer Examiner] since 1992 and has worked in the W2 QSL bureau as a member of NJDXA since 2004. He enjoys playing with antennas and hopes to get into POTA over the next few years.

Outside of ham radio, Bob has worked in sports media for 40 years and currently covers high school football for a webpage and does Public Address announcing for local colleges.

This should be an interesting and fun night and is a must for all those interested in the local history of amateur radio.

So, save the date – **Friday, January 21<sup>st</sup> 2022 at 7:30 PM EDT** --  
for this important and always relevant discussion.

Watch our club website for Zoom log-in details.

For more information, please visit the club's website at [www.FairLawnARC.org](http://www.FairLawnARC.org) or call 201-791-3841.

###

v 1.2



Early Digital Radio

## Please Note: Operating at W2NPT

Club trustees have provided sign-in sheets for all operating positions. There is a clipboard at Operating Position #1, #2 (digital) and #4 with a form on which to sign up for half-hour time slots. No longer first come-first served, in fairness to all who want to use our club equipment and the new antennas.

## Get Direct With FLARC!

Here is a direct link to specific club info: just a click away!

<http://apparel.FairLawnARC.org>  
<http://auction.FairLawnARC.org>  
<http://blog.FairLawnARC.org>  
<http://calendar.FairLawnARC.org>  
<http://events.FairLawnARC.org>  
<http://exams.FairLawnARC.org>  
<http://facebook.FairLawnARC.org>  
<http://news.FairLawnARC.org>  
<http://swap.FairLawnARC.org>  
<http://tech.FairLawnARC.org>  
<http://youtube.FairLawnARC.org>

**Special Note:** As non-profit, the IRS now requires that we disclose annually the use of paid lobbyists to our members and indicate approximately what percentage of their dues goes toward that. 0% of your 2021 dues payment will be used by the club to directly pay a lobbyist firm to lobby on behalf of all our members regarding pending legislation that impacts our hobby.

## 2022 Dues Are Due

Dues for 2022 will be accepted by the club starting on December 4<sup>th</sup> with the 2021 Annual Meeting. There are no changes to dues (\$25) for the upcoming year. Cutoff date is March 31, 2022.

Please make checks payable to "Fair Lawn Amateur Radio Club" and send them to:

Bruce Kalogera NJ2BK  
163 Meadow Lane  
Secaucus, NJ 07094

Mail sent to the clubhouse will be delayed due to Covid. See website for other membership options.



**NEW !**

<https://groups.io/g/FairLawnARC>



**WINTER FIELD DAY**  
January 29/30, 2022



The next Winter Field Day is January 29-30, 2022.

If you're interested in helping the club get a station on the air, now is the time to let President Nomar NP4H know and he can take it from there. We've had some interesting activations in past years, although the pandemic put a damper on our plans for 2021.

It's lots of fun regardless of the weather... and we have been lucky in past January's.

<https://www.winterfieldday.com/>

## A RESEARCH PROJECT

Your assistance is requested in collecting data for a serious research project.

Have you ever had a very unusual, unexplained experience involving amateur radio or shortwave listening? I have personally experienced several of these over the years, and so have many others, including SWLs, commercial and military operators. Personal accounts of these phenomena have been published in QST, CQ Magazine, Monitoring Times, Popular Communications, and even in the IEEE Proceedings.

The plan is to write an article about these anomalous phenomena describing the type of anomaly experienced, and inviting possible explanations for them from readers as to their origin and cause.

By anomalous phenomena, I mean any of the following:

**LDEs** – “Long Delayed Echoes.” This is a phenomenon involving the reception of signals from stations either that were transmitted days, months, or years earlier, but which are received as if they were being sent in real time.

**SDEs** – “Short Delayed Echoes.” These are signals that have been transmitted and received again after a short interval, provided they are not being repeated by the sending station or re-sent by another station either by imitating the original transmission or by playing back a recording. In other words, a kind of “echo” that is heard of a transmission, shortly after it has been transmitted.

**ESP or Precognition** - Phenomena that involve your having a “hunch” that a particular station is on the air on a certain frequency or band, and, upon listening there, the station is heard; or that a particular band is open for DX when it is normally not open for DX, but it is; or that a band is open to a particular part of the world when it is not normally open to that part of the world at that time, but it is; or having a “hunch”

that something unusual is happening on particular band or frequency, without prior knowledge of that activity except through an act of precognition, which turns out to actually be happening.

**Unexplained** – Signals of a completely unexplained type, such as a mode that cannot be identified, or that defies known physical principles, and that might be of extraterrestrial or non-human origin.

Data is requested from two sources:

Radio amateurs, SWLs, commercial and military operators without professional scientific credentials

Please reply with your name, call sign and valid email address. If you do not wish to have your name or call published, please specify, and your anonymity will be respected. Furnish, to the best of your recollection, the date or approximate date, time, and frequency band, mode, and nature of the anomaly. Include any unusual signal characteristics observed. If possible, please include an email containing a wav file of the signal or link to an online source that can be included in the resulting article. Finally, what do you think caused the phenomenon?

After this data is collected, I invite theories as to causes from: Credentialed scientific professionals (including those who are also licensed amateurs)

From this group, please provide, if possible, citations from peer reviewed literature to support your thesis.

Please reply by email no later than January 31, 2022, and include all the pertinent data requested above. When results have been fully tabulated, the proposed publication will be in the February, 2022 issue of The Resonator.

Many thanks for your assistance in this project.

73,

Fred W2AAB [fbelghaus@gmail.com](mailto:fbelghaus@gmail.com)

## Ed-itorial :

– by Ed WX2R

### A Sabbatical of Sorts

For those with eagle eyes, you will begin to note changes in the next few months in both *The Resonator* and our monthly speaker programs.

As background, both started in 2016, the year marking the 60<sup>th</sup> anniversary of the club. I am glad to say I was an instigator for both the celebration and the return of the newsletter. During that interval, I have served as both newsletter editor and as FLARC program chair. If my math is right, that is six consecutive years of monthly content. Put it another way, it has been seventy-two consecutive issues of the newsletter and about eighty-four speakers for the original FLARC Speakers Series, now *Kawfee Tawk*.™

I will not be driven to precision, but seventy-two is a lot of anything. While it has been a labor of love (it has), it is starting to take its toll. I am more than a bit burned-out from all the tasks involved in both activities. I am also running out of ideas from the perspective of using these activities as marketing tools to grow the club, which is never good. The pandemic also has had an effect; changing the business model (yes you read that right) from an in-person club to a more virtual one. We keep growing, but what does “growth” look like?

So, I need some separation from “FLARC stuff” (but far from a full break). I have sought an apprentice to work on the speaker’s series and have found one (thankfully) in Stan KC2K. Without his help, I will be looking to scale programs back to either bi-monthly or quarterly.

Jim W2JC and I have discussed how the newsletter might be adapted, so we will have a bit of a plan going into 2022.

New volunteers always will change the mix (and my outlook) so let me know how you might want to be of assistance.

Drop me an email at Ed WX2R [WX2R@arrrl.net](mailto:WX2R@arrrl.net)

or call me at 802-282-6700

Continued in next column →

## Ed-itorial, continued

In any case, when I returned to the club in 2015 after having been away for more than a decade, I wanted to make FLARC the best in the area and it has become not only that, but also the largest club by far.

But every dog has its day they say, and they are correct. The club needs younger more energetic blood with the latest ideas and a more digital perspective as amateur radio evolves. It is time for those of us who have gotten the club this far to begin to let others get on board. Personally, it is time to play more radio and keep learning about the hobby while I still can. I remain hopeful that I will find the spark that will keep me active. So, I am scaling back a bit over the next few months and we will play 2022 by ear and listen for the right answer.

Happy holidays to all!

DE Ed WX2R

### A Thanks To All Our VE's

In a trying year, we wish to recognize and congratulate all those VE's who helped make for a successful series of VE sessions during 2021.

These include:

Gene Ottenheimer, WO2W  
Stan Ekler, K3KKH  
Ed Efchak, WX2R  
Bill Leger, WA2WL  
Paul Brennan, N6FB  
John Wood, NN2H  
Robert Merritt, KC2ORK  
Bill Kelly, NB1LL  
Robert Antoniuk, N2SU  
William Stagg, KC2BLN  
Charles Cebula, AC2ZU

And a thanks to Nomar NP4H for securing the Masonic Lodge in Ridgewood and for all their help!



## December 2021

### *Near and Far Net Controls*

Here is the roster for net controls for the upcoming month as reported by Brian KD2KLN:

Date	Net Control
December 6	KD2KLN
December 13	KD2MOB
December 20	NP4H ?
December 27	How about you?
	N2AAM

But we need more volunteers to be net controls -  
- if everyone takes their turn it's less burden on the others. And it's easy.

Volunteer --- don't wait to be asked  
(unless you really want to be flattered).

### **Ham Radio Is Contagious And It Won't Make You Sick!!**

### **Farewell To Volume 6**

Thus we close the final issue of the 2021 *Resonator* series. My thanks to all who have contributed on a monthly basis --W2AAB, W2ABE, KD2MOB, KD2BKD, N2AAM, KD2KLN, W2DLT and N4GG and our SIG contributors who have provided timely copy such as Karl W2KBF. Thanks to N2PD and others for many, many pix. And a thanks to all our monthly profiled members who have made deadline and contributed much to the life of this club. Who have I forgotten??

Again, a special thanks to my proof-reader (sp), Jim W2JC who stays picky and keeps me honest and grammatically correct. He reads a lot of copy... a lot! Any errors that remain are mine and mine alone. We have come a long way in 72 issues... pushing more than 500 pages of club-generated content. Looking back at the old FLARC newsletter *QUA* (below) shows me at least how far this club has come. Thanks to you it's easy.

Best wishes for the New Year.  
Thanks for reading each issue!

DE Ed WX2R

## Club Apparel —

### **Get Them While They're RED!**

Club apparel is always in vogue. Red is always "in" and your club friends all have them... you *want* a shirt or jacket for the next FLARC event! Great for Field Day!

Don't forget.... they're easy to order.

Go to [www.hamthreads.com](http://www.hamthreads.com)

or visit <http://apparel.FairLawnARC.org>

**Check out the item selection that is posted on the FLARC website (with pictures and prices).** Order the shirts or other items you want with either the regular FLARC logo or the still-cool 60th anniversary logo. Note: **RED** is the primary and preferred club standard shirt color.



Thom W2NZ behind the camera  
at the clubhouse in 2019

### **2021 FLARC Nets On The W2NPT Repeater:**

*Near and Far Net Mondays at 8PM*

*Health and Welfare Net Wednesdays at 7PM*

*W2NPT and NJ2BS Repeaters*

## Help Wanted

The Publicity Committee is looking for some new members to help continue to improve the marketing and promotion of the club, it's activities and amateur radio. This is an active group so a willingness to participate is a strong plus. Experience in digital marketing and/or public relations is a plus.

Call Ed WX2R at 802-282-6700 or email him at [wx2r@arrl.net](mailto:wx2r@arrl.net) if you're interested.

**Remember:  
Ham Radio Is a Contact Sport!**

### BEQUEATHS AND DONATIONS

Planned gifts usually imply the family donation of amateur equipment to the club when someone has become a Silent Key. But it can be more. Club members might consider making a gift through a will or trust; gifts that help provide lifetime income to the club. Consult with your lawyer, estate planner or taxadvisor if you feel such a gift is worthy.

## About The Club

*The Resonator* is published monthly and is the official (and only) newsletter of The Fair Lawn Amateur Radio Club. FLARC was established in 1956 and has met continuously since inception. **The club is sponsored by the Borough of Fair Lawn.** The club meets every Friday<sup>1</sup> at 6PM at the club station in The Fair Lawn Community Center, 10-10 20th Street, Fair Lawn, NJ. Business meetings are the first Friday of the month at 7:30 PM at the club, and on Zoom until December.

<sup>1</sup> Except when there is a Zoom Koffee Tawk session.

Visitors **ARE ALWAYS** welcome at our meetings.

FLARC operates the W2NPT repeater (145.470-PL 167.9) located high atop the Community Center. The analog repeater is open to all amateurs for use without restrictions.

The club has over one hundred fifty paid members.  
Dues are currently \$25 per year;  
\$20 for new members.

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## A Weekly Welfare net ...

**The Health and Welfare Umbrella Net**  
**Wednesdays**  
**7PM Local**  
**W2NPT and NJ2BS Repeaters**  
**Open To All**

## PUBLICITY COMMITTEE NEWS

The Publicity Committee is seeking new members to help grow the club with its varied activities. Enthusiasm desired...no experience necessary. Contact Ed WX2R or any other committee member.



**FAIR LAWN'S  
COMMUNICATIONS CENTER!**  
***With Our Antennas On The Roof!***



## Past FLARC Member Profiles

Here is a list of past member features and we welcome your recommendations for new profiles -- including your own.

Month	Name	Call Sign
January 2016	Pete	KB2BMX
February	Marco	KC2ZMA
March	Ron	KC2TBD
April	Kai	K2TRW
May	Larry	WA2ALY
June	Dave	N8MAR
July	Steve	W12W
August	Thom	W2NZ
September	Brian	KD2KLN
October	Brad	KM2C
November	Al	WA2OWL
December	George	W3EH
January 2017	Fred	W2ABE
February	Dave	KD2MOB
March	Randy	WU2S
April	Lee	KD2DRS
May	Gene	WO2W
June	Carol	KD2NMV
July	Kevin	KC2KCC
August	Robert	KD2NOG
September	Robert	KD2BKD
October	John	KD2NRS
November	Fred	W2AAB
December	Margaret	W2GB
January 2018	Brian	KD2OAZ
February	Bennett	KO2OK
March	Van	W2DLT
April	Aly	ALØY
May	Bruce	NJ2BK
June	Dave	N2AAM
July	Karl and Susan	W2KBF and W2SKT
August	Steve	KA2YRA
September	Paul	K2PJC
October	Skip	KD2BRV
November	Jim	W2JC
December	Tom	N2AAX

By the way, Randy (WU2S) has compiled a binder of all back issues of *The Resonator* and it's located in the club office.

Thanks Randy!!!

## 2019-20 Member Profiles

The year is now complete and here is a list of the 2019 monthly profiles. See past profiles elsewhere in *The Resonator* to check back in the archives to see each featured member's background.

Month	Name	Call Sign
January 2019	Dave	KD2JIP
February	Jim	K2ZO
March	Zach	KC2RSS
April	Bob	N2SU
May	Stan	KC2K
June	Steve	WA2BYX
July	Roger	K2RRB
August	Judith	KC2LTM
September	Chris	W2TU
October	Bob	N2SU
November	Bob	WA2ISE
December	Carol	KD2NMV
January 2020	Gordon	W2TTT
February	Chris	KD2JQZ
March	Glenn	KD2MDR
April	Steve	K2SAB
May	Ahmed	NJ8Y
June	Charlie	AC2ZU
July	Jim	N2JLF
August	Walt	K3DQB
September	Gregg	N2ECH
October	Jim	W2KNG
November	Dave	KD2SGM
December	Bill	NB1ILL

## 2021 Member Profiles

Here is a list of the 2021 monthly profiles.

Month	Name	Call Sign
January 2021	Ed	KD2TVT
February	John	W2USN
March	Noel	W2MSA
April	Gene	KD2VNI
May	Berlotte	KD2MYF
June	Noel	N2OEL
July	Roy	KD2VMX
August	Jeremy	K2GRI
September	Bill	WA2WL
October	Nomar	NP4H
November	David	AC2GL
December	Paul Brennan	N6FB/MØJOV

## New Member Profile, continued

What should be the club's priorities in the next year?

Try and get more people interested in Ham Radio!

What else can you tell the club about yourself and/or ham radio?

I am still amazed that you can shine a 10 watt "light bulb" in the garden and someone else can receive the light 3 bounces and halfway around the world and talk to you. It is just fantastic

What other ham related clubs or organizations do you belong to?

The ARRL and RSGB.



## FLARC Member Count Continues to Grow

Despite the pandemic, FLARC continues to maintain its membership. As we go to press the number is now at or about 182; a significant increase over our 2020 close of 164 and 2019 at 167.

**182!!**



and help keep that strong number in  
2022!!.

## FLARC November 13, 2021 VE Testing Results

With VE testing back on schedule, Gene WO2W reports the following results:

Name	Call	License Earned
There were no candidates for testing at the November session.		

Testing for December will be at the Fair Lawn Recreation Center - with "Covid Restrictions."

See page 2 of this Resonator copy, and also the FLARC website for the latest details.

## Eight Special Interest Groups [SIGs] Already Formed: Any Others?

SIGs are all the rage within FLARC it seems. As of October, there were eight active groups and nearly all with posts in the last 30 days to indicate activity.

Why not join one? Go to [groups.io](https://groups.io) and have a look and join up. Stay interested. Make new friends with similar interests. That's what it is all about.

Other possible groups, from the member survey, include:

- *Radio Propagation*
- *Antennas and how they work*
- *Kit building*
- *Raspberry pi and Arduino*
- *Ham radio software*

Anyone interested in leading any of these groups...?

Please contact [webmaster@FairLawnARC.org](mailto:webmaster@FairLawnARC.org)



## FLARC Portable Ops SIG Outing #3 A Great Success!

On Sunday, November 14th, members of the FLARC Portable Ops SIG got together at multiple locations to get on the air and do some POTA.<sup>1</sup> A commemorative operating position was set for John W2JLK SK as a special tribute. A big thanks to all who attended: Vlad - AD2BS (Rockland Lake), Nomar - NP4H (Rockland Lake), Ken - W2SCT (Nyack Beach), Steve - KA2YRA (Rockland Lake), Brian - N2BTD (Rockland Lake), Steve - W12W (HighTor), James - KB2FMH (Harriman), Wilson - KD2UXE (Rockland Lake), Jim - N2JLF (Rockland Lake), and Ted - KC2YKA (Rockland Lake).<sup>1</sup> POTA = Parks On The Air



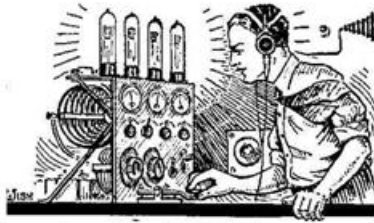
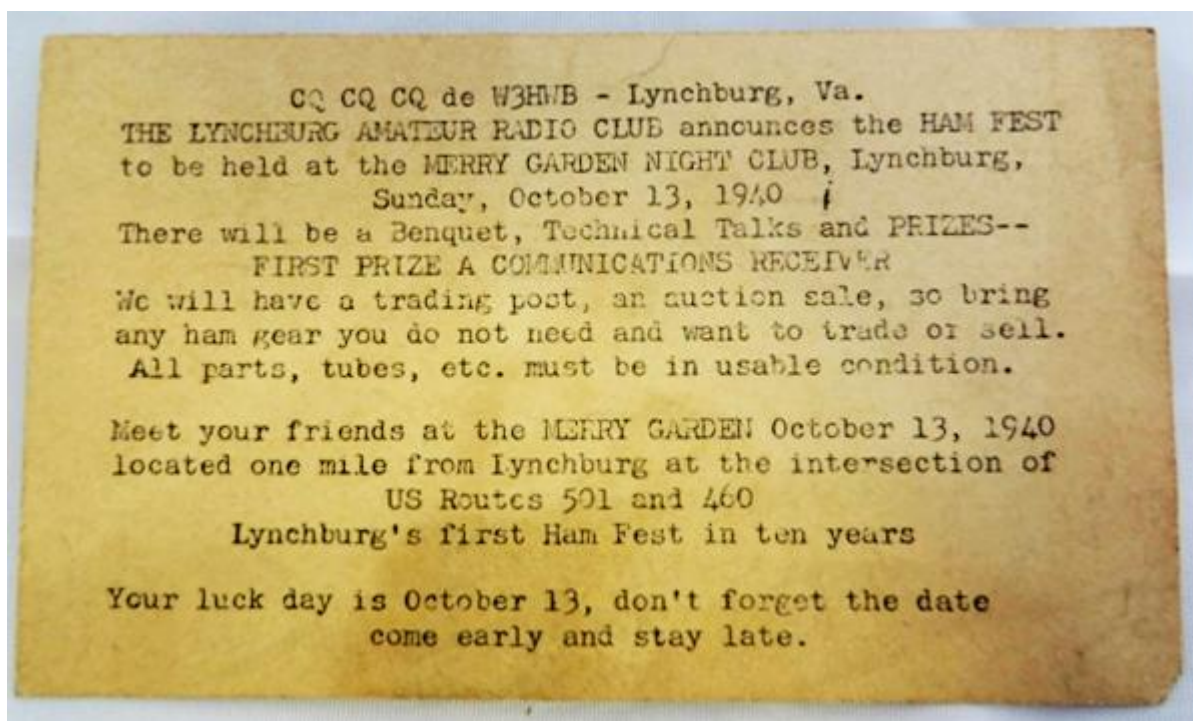


Image from May, 1926 QST, courtesy ARRL

## The Way We Were By Fred Belghaus W2AAB

### A Miscellany Part 2

Continuing our end-of-year look at some bits and pieces of the radio art in days past, this month we'll look at some more items from amateur radio history. First, a postcard announcing a "Ham Fest" sponsored by the Lynchburg, Virginia Amateur Radio Club on Sunday, October 13<sup>th</sup>, 1940:



The "Ham Fest" included a banquet, "trading post" (what we would call a flea market now), auction sale, technical talks, and prizes, including the first prize of a communications receiver. In those days, a brand new communications receiver was a major prize for many hams still recovering from the Depression years. The event was held at a place called the "Merry Garden Night Club" in Lynchburg. There are photos online of this place, which was actually a "dance hall," but they cannot be reproduced here!

One fact I discovered was that at one time, the "Garden" was owned by Carey Hezekiah Falwell, the father of the late TV evangelist Jerry Falwell. It seems that Jerry's dad was an agnostic and hard-drinking businessman who looked down on religion, and whose enterprises once included bootlegging (not the radio kind, the alcohol kind). [1] Jerry's fundamentalism may have been a reaction to the behavior of the man who sired him, along with a lot of encouragement from his very religious mom.



## The Way We Were, continued.

Incidentally, note that the call of the Lynchburg club was W3HWB in the years before World War II, when Virginia was in W3-land. The club still exists, but their call is now K4CQ. [2]

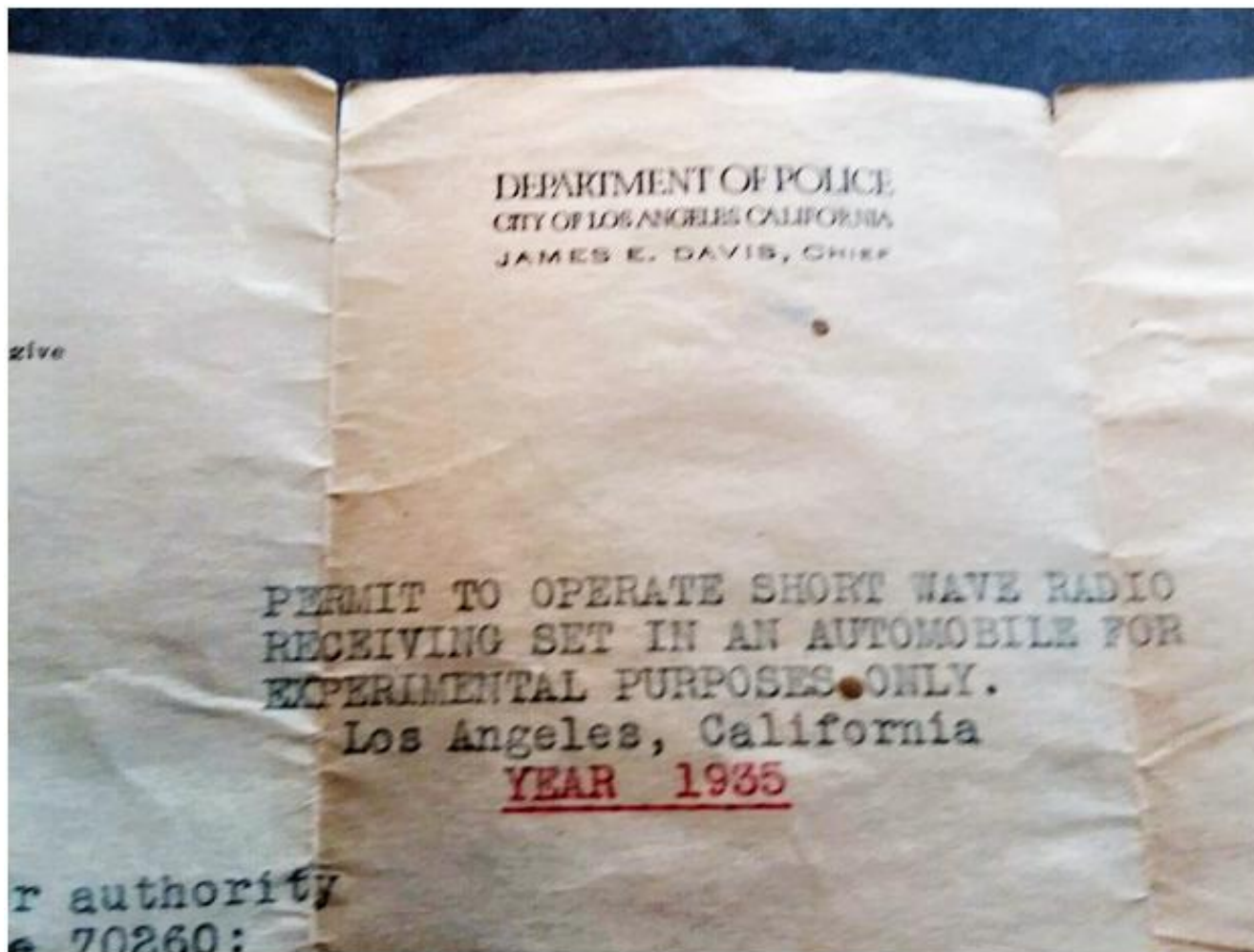
Some nets require membership. Here's a membership card from the long defunct Kansas Cyclone Net in 1936:



The member, W9ADE, lived in Abilene, at a time when there was no W-zero, so those states were included in the W9 call area. The Cyclone Net boasted that it was “The Windiest Bunch in 48 States and Canada.” Yes, only 48 states in those days. The other two, Alaska and Hawaii, were added in the 1950s. By “windiest” I guess they mean that they were some almighty ragchewers!

Here's a real curiosity. It's part of a letter to W6FXJ in Los Angeles from the office of James E. Davis, Police Chief of that city, and dated 1935:

## The Way We Were, continued.

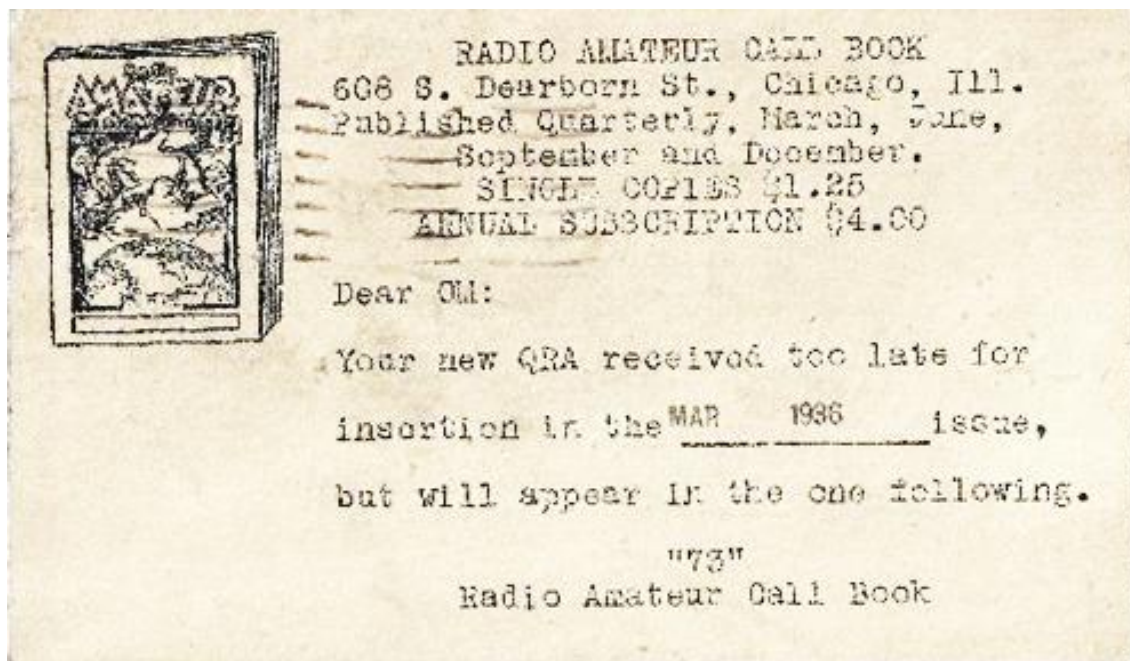


The letter is a special permit to operate a “shortwave radio receiving set in an automobile for experimental purposes only,” and is signed by F.T. Hawtrey, Inspector, Communications Division. In those days, and even now, some municipalities require such permission, and in many places, it is illegal to have a receiver capable of listening to police frequencies in a non-police or public safety vehicle. Other places, especially cities, have switched to digital encrypted voice or trunked radio systems in order to foil attempts by the general public to listen to police transmissions. The “scanner hobby” has thus been made more challenging.

Years ago, when hams changed their address, not only did they have to inform the F.C.C., (we still do), they typically also notified the publisher of the Call Book. Here’s a postcard notifying one amateur, W7ANI, that his change of address notice was received too late for publication in the March, 1936 issue of the Radio Amateur Call Book:



## The Way We Were, continued.



Note that an annual subscription to the Call Book, which included four issues, was only \$4.00 in 1936. In 2021 dollars, that would be equal to \$27.71, still a bargain, but at an inflation rate of 2,670.8 percent.

Here's an interesting envelope from 1934 that once contained a QSL card from W9FLH in a place called Prophetstown, Illinois.



I was curious about the name of that town, so I did a little digging. Prophetstown is a tiny burg in Whiteside County with a population of 2,080 human beings, an increase by 57 humans since 2010, and located in the northwestern corner of the state. [3]

## **The Way We Were, continued.**

It was also once the home of White Cloud, AKA “The Winnebago Prophet.” White Cloud was the medicine man of the Sauk Indians living in the area until their village was destroyed in 1832 by a group of volunteers of the Illinois Militia. He was advisor to Chief Black Hawk during the Black Hawk War of 1832, predicting ultimate victory due to the support of warriors from the Potawatomie and Ho-Chunk that he said would come to their aid. But he was wrong. They didn’t. [4]

After a series of battles and skirmishes, Black Hawk surrendered, and he and White Cloud were captured and imprisoned at Fort Monroe, Virginia. [5]

In 1841, White Cloud, AKA the “Winnebago Prophet,” passed into history at a place called Prairie du Chien, Wisconsin at the age of 46. [6]

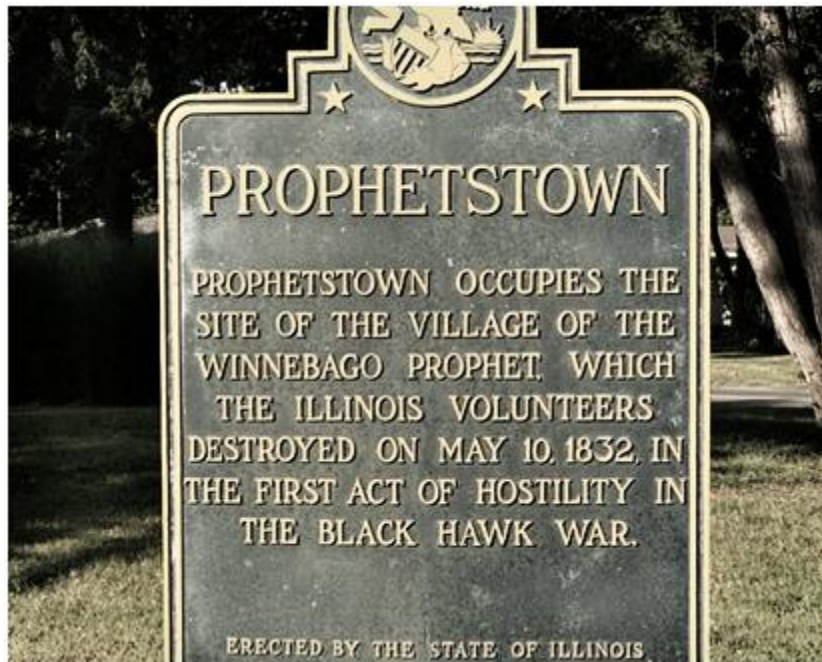


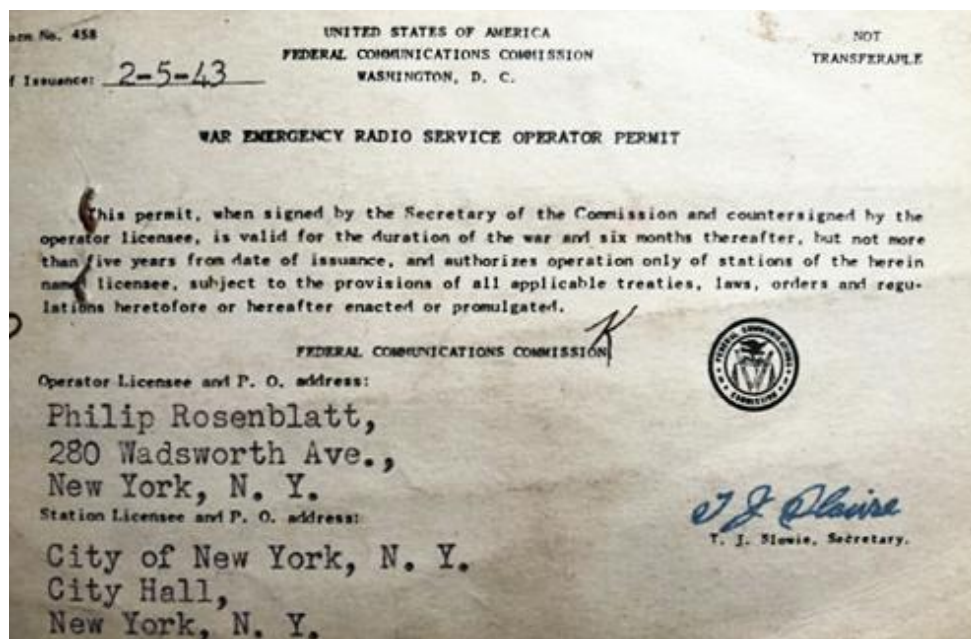
Image:

[https://www.tripadvisor.com/Tourism-g36576-Prophetstown\\_Illinois-Vacations.html](https://www.tripadvisor.com/Tourism-g36576-Prophetstown_Illinois-Vacations.html)

I have mentioned the War Emergency Radio Service in previous columns. This was a temporary program that included many radio amateurs during the years of World War II, when regular amateur operations were suspended. Members of this group, who were under the jurisdiction of the F.C.C. and Civil Defense, were permitted to operate in VHF nets, chiefly on 5 and 2-1/2 meters, but using non-amateur call signs, like WNYJ-38.

Here's an example of a W.E.R.S. Operating Permit, issued to an old friend and colleague, Phil Rosenblatt, W2AKF, in 1943:

## The Way We Were, continued.



Note that the station location was not at Phil's home in Washington Heights, but at City Hall. The reverse side contains a "mug shot" for identification purposes.

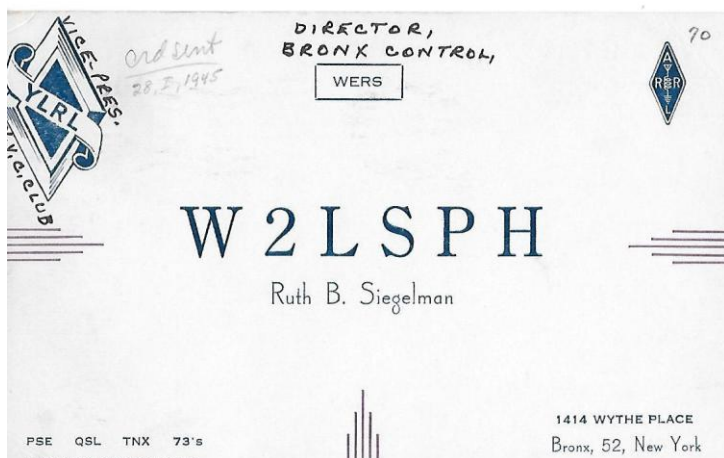


These W.E.R.S. Permits were valid only until six months after the end of the war in 1945. By the early 1950s, W.E.R.S. had morphed into what we now know as Civil Defense R.A.C.E.S.



## The Way We Were, continued.

Speaking of the war, and W.E.R.S., here's a very unusual QSL card from a once famous YL with.... What? A four letter call sign?



Yes, it IS a four letter call sign, but not a real call at all. You see, "LSPH" means "Licensed Since Pearl Harbor," and it was the suffix used unofficially by anyone who passed the amateur license exam after the U.S. entered World War II, but who didn't receive a call sign until the end of the war, when amateur station licenses were again being issued by the F.C.C. These QSLs were exchanged by mail or in person, and did not confirm an actual QSO on the ham bands.

There were many others using this unofficial suffix, and I have examples of QSLs from W3, W4, and several others during this period, but not of sufficient quality to reproduce here. Note also that Ruth Siegelman, the operator, was active in W.E.R.S. as "Director, Bronx Control."

Shortly after the war ended in 1945, she was issued the call W2OWL, and remained an active amateur operator for many years. Here's one of Ruth's cards from 1954:





**The Way We Were, continued.**

Here's another oddity, from another town with quite a story behind it:

*1941 April Party*

**Alida, Kans.**

Radio	RST	Date	Time	Cond.	Band
W4GXB	—	1/19-41	8:35A EST	—	20 CW

RCC-ARRL-AEC-CP22

**W9NKM**  
EX-W6SHO

Xmtr. 6L6 Tri. St. 11-6L6G<sup>130'</sup> 35W.  
Rcvr. Hallicrafters Sky Buddy 579C  
Tx. Qsl. Tex.

**Don Dow**

Wholesale Radio Labs. Co. Stuffs, Ia. Everything for the Amateur Write LEO W9GFG For Best Deal  
AGE-17

The card is from Alida, Kansas, and it is dated January 19, 1941. The oddity about this is that Alida, Kansas is a genuine ghost town. How did it get to be one?

Alida is located within Smoky Hill Township in Geary County, Kansas. The town started as a small settlement by a handful of farmers in 1868. In 1870, the name Alida was selected for the town, the name chosen by the wife of one of the original settlers, and derived from a childhood friend of hers by that name. A post office was established in one resident's home in 1873, and a school was built in 1876. The town remained a sleepy little place during much of its history, and the only major event to take place for many years was the closing of its post office in 1938. Its principal employer was a large grain elevator. [7]

In the mid 1960s, the entire population consisted of 47 persons in six houses. There were also four businesses and the grain elevator. [8] But Alida would come to its end with the flooding of the town to make way for the construction of Milford Lake, also known as Milford Reservoir, which would become the largest man-made lake in Kansas. [9] In 1966, the residents' homes were condemned, and the people displaced and moved to higher ground. The grain elevator was first proposed as the site for a hotel accessible only by boat, but the U.S. Army Corps of Engineers declared the structure unsafe, and it was slated for demolition shortly thereafter. [10]

## The Way We Were, continued.



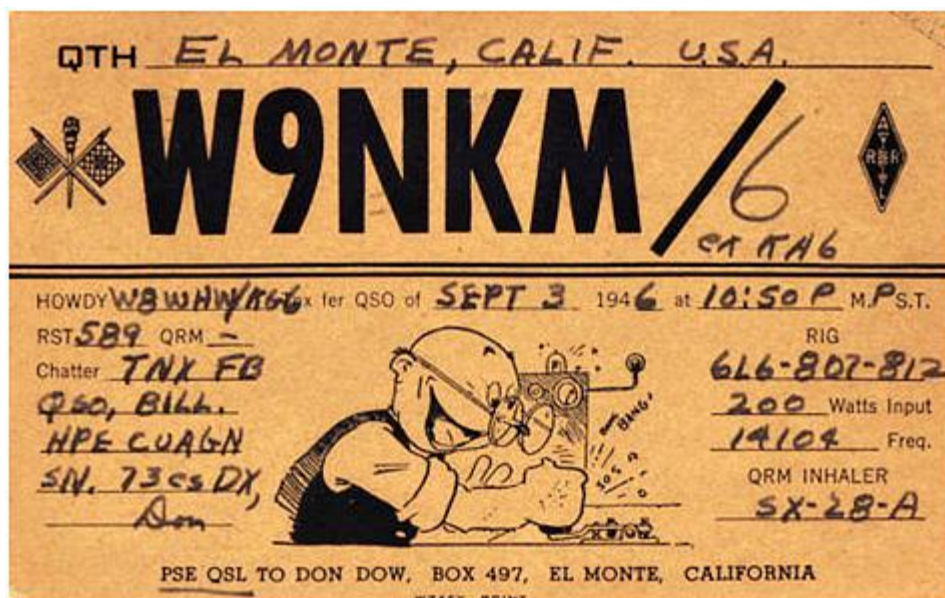
The Alida grain elevator at right

Image: <http://gearyhistory.blogspot.com/2014/05/where-is-alida-kansas.html>

It was supposed to be a simple job, and two charges were placed at its base. But the mighty structure would not budge, so the Engineers tried again. All told, they had to try six times, but only part of it came down. The rest had to be demolished with bulldozers. [11] And so ended the sad story of Alida, Kansas.

I wondered what became of Don Dow, W9NKM; whether he was still alive in 1966, and where he might have moved after he was displaced from his home. But this would remain at least a partial mystery. After World War II, his W9 call would have changed to a WØ call, but looking in the 1966 Call Book, the call WØNKM is assigned to someone else.

This much I did find out. By 1946, Dow had served in the U.S. Army Signal Corps, and had first relocated to Hawaii, then to El Monte, California.

**The Way We Were, continued.**

There is a Don Dow listed on [imdb.com](http://imdb.com) as a visual effects specialist working in Hollywood, whose film credits include Star Trek II, Star Trek IV, and Star Wars, Episode V. [12] A photo on that website shows a gentleman in his late 70s or early 80s, but whether this is the same Don Dow who once was W9NKM is unknown. If anybody knows for sure, please contact me.

Back in the days before digital imaging and desktop publishing, printed material, such as QSL cards, were printed on mechanical presses using a printing plate. Have you ever wondered what one of these printing plates looked like? Well, wonder no more, because here's a picture of one. Note that the image is reversed, so that when printed, everything would come out in readable form:



This one dates from sometime in the 1930s, and was made for Herbert S. "Herb" Barnett, W1EX of Seekonk, Massachusetts.



## The Way We Were, continued.

Here's a rare QSL card from the former U.S. Coast Guard station NGM, once located at Curtis Bay, Maryland. The Coast Guard at Curtis Bay is a 113 acre facility located some six miles from downtown Baltimore. For many years, it served as a ship and boat construction and repair depot, and it also operated an incinerator. Although the Coast Guard still uses the facility, it is now a superfund site containing contaminated groundwater and hazardous chemicals, and is in the process of being cleaned up. [13]



But the card has been repurposed to confirm a QSO from station W3KY, which was the U.S. Coast Guard Depot, Curtis Bay, Maryland. [14]

But the most important feature of the ex-NGM card is the signature of the operator, who was a guy by the name of Arthur M. "Red" Godfrey, whom old timers will recognize as a once very famous celebrity, movie actor, and TV personality. In the 1950s, Godfrey became re-licensed as K4LIB in Virginia, and was active on the ham bands for many years.

Here's an old view of Riverside Drive and the Westside Highway in Manhattan on this QSL made from a postcard in 1947:





### **The Way We Were, continued.**

The Westside Highway was called the “Express Highway” on the postcard, and a view of the George Washington Bridge can be seen in the background. Incidentally, W2RD, who sent out this card, didn’t live in Manhattan. He lived in Brooklyn.

Here are two views of station W5SMA of Los Alamos, New Mexico, [15] sometime in the late 1940s. The first view may be a Field Day or just a portable operation:



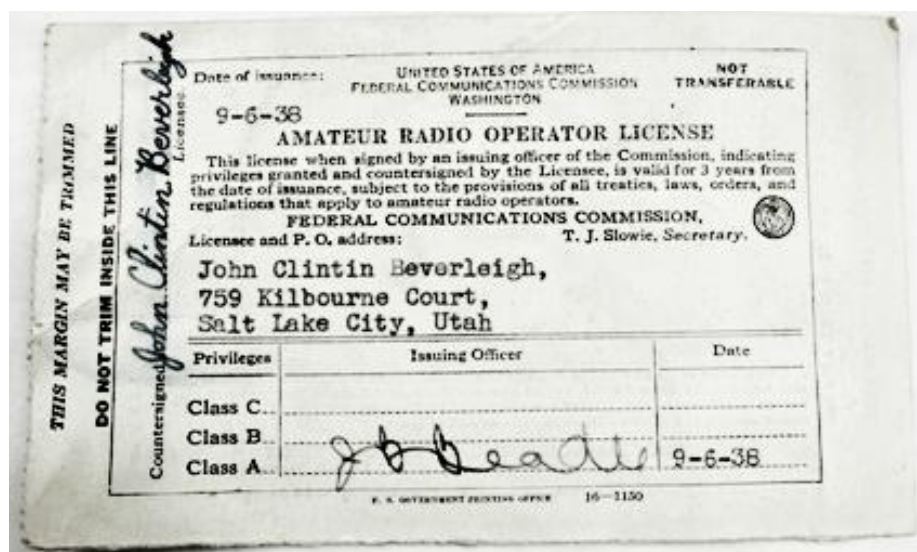
And here’s a view of the W5SMA station indoors, probably at his home QTH:



## The Way We Were, continued.

The station consists of a home built transmitter, and two receivers - a Hallicrafters SX-28 or -28A, and a Hammarlund "Super Pro," a typical late 1940s station. Note the homemade bass reflex speaker on the floor. I built one very much like it in my Novice days.

Prior to World War II, the F.C.C. issued two separate amateur licenses: an operator's license and a station license. An applicant without means to build a home station could obtain an operator's license only. Here are examples of both types of license, from station W6MIA in 1938:



Note also that W6MIA was located in Utah, not California. In those days, W6 included Nevada, Arizona, and Utah. After 1945, W6 would become California only, and the other three states, W7.

## The Way We Were, continued.

For some perspective, how much did QSL cards cost back in the early 1960s? Here's a sample card from the Hobby Print Shop from about 1963:

**K3ISH**  
 Wilkes-Barre, Penna.  
 RADIO.....CONFIRMING QSO.....196....  
 AT.....EST. UR.....MC. fone-CW SIG RST.....  
 RCVR.....XMTR.....W. INPUT.....  
 REMARKS.....  
 359 Scott Street  
 73, Ned Toole  
 WSOWC PRESS

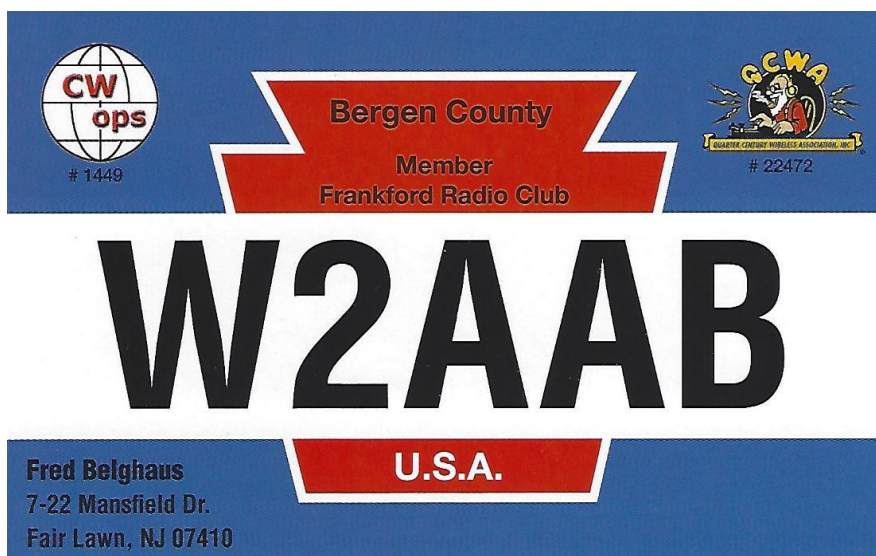
HOBBY PRINT SHOP  
 7701 Tisdale Austin 5, Texas  
 200 cards \$3.75  
 300 " 5.00  
 500 " 7.50  
 I pay all postage!  
 Hom

100 cards cost only \$3.75 including postage! In 2021 dollars, that would be \$33.62. 500 cards cost \$7.50 including postage, which would be \$67.23 today.

But compare those inflated prices with the actual prices of cards in 2021. You will be shocked. In January of this year, I ordered 500 cards. They are the standard Frankford Radio Club card design, and they are beautifully done.

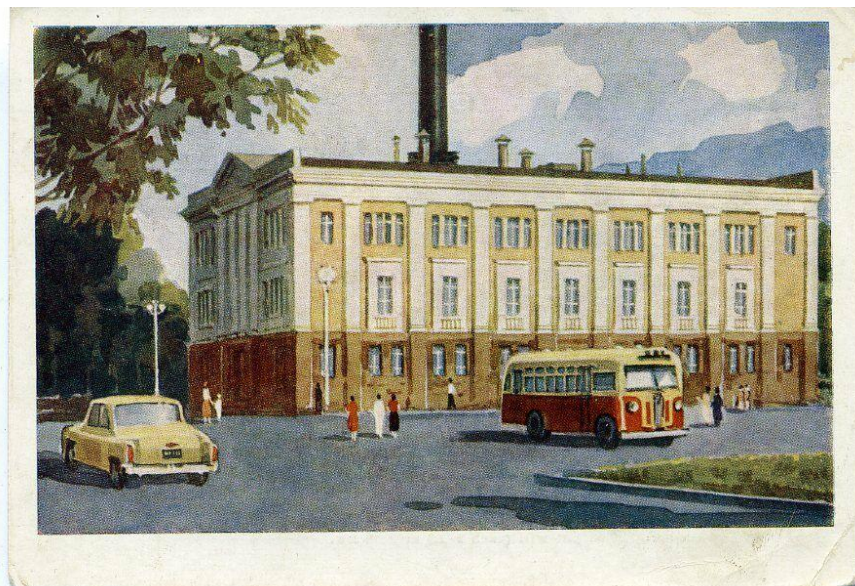


## The Way We Were, continued.



They cost me \$96.00. It isn't just inflation, but the overall cost of doing business today that raises prices that much. Don't blame the printer, folks. It's become a real challenge for a small business to survive today, let alone thrive, so let's cut them some slack, support them, and be thankful that they do such fine work.

Now for some more history, by way of a QSL card. It is a blank card from the former Soviet Union, upon which the amateur or SWL could write or stamp their call:



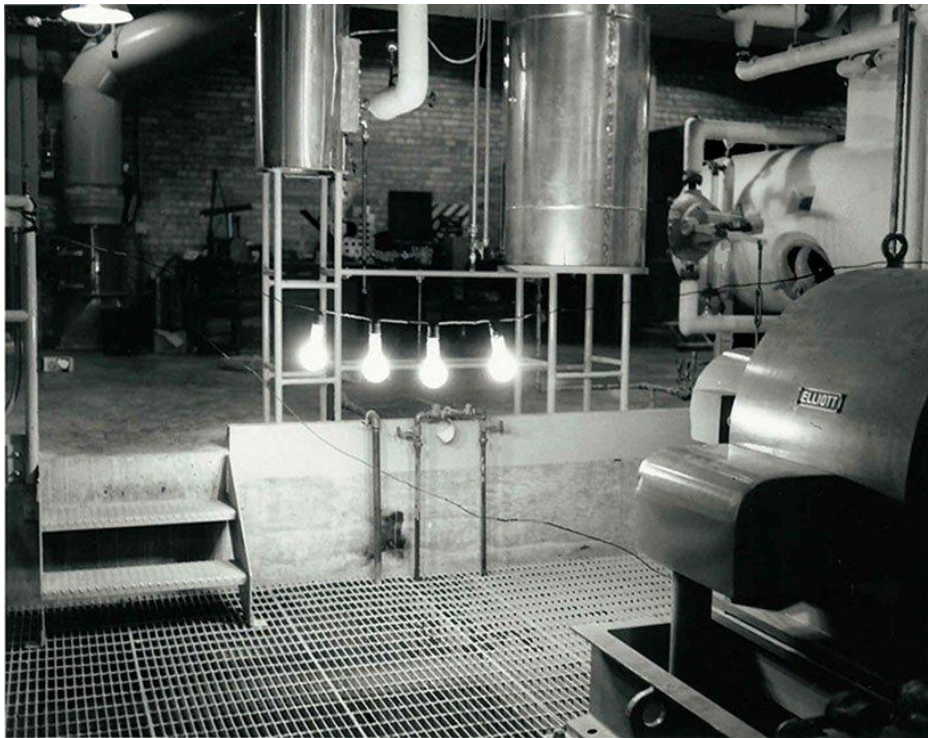
I would estimate the printing date to be sometime in the mid to late 1950s. The building portrayed looks like a factory of some kind, but it isn't. It's a nuclear power station, the very first nuke station built in Russia, and the world's first nuke station to



**The Way We Were, continued.**

be connected to the power grid. It was located at the Institute of Physics and Power Engineering in the city of Obninsk, near Moscow. It went online on June 27<sup>th</sup>, 1954 and it remained in operation until 2002; but it had been disconnected from the power grid in 1959. From 1959 to 2002 it functioned only as a research center and as a plant for the production of isotopes. [16]

It wasn't the first nuclear power generating station, though. After years of research as part of the Manhattan Project beginning in 1942 and leading up to the Oak Ridge National Laboratory's efforts at the "X-10 Graphite Reactor," [17] the world's first successful power generating station was developed at the National Reactor Testing Station, known as the Experimental Breeder Reactor-1 (EBR-1), located in the desert, some 18 miles east of Arco, Idaho. It was the world's first breeder reactor. Construction began in 1949, and by December, 1951 it demonstrated that electric power could be generated by nuclear means. It illuminated four 200 Watt light bulbs. It was decommissioned in 1964. [18]



The four 200 Watt light bulbs at EBR-1

Image: <https://www.energy.gov/ne/articles/9-notable-facts-about-world-s-first-nuclear-power-plant-ebri>

After several additional experimental efforts, the first fully functional nuclear power plant was the Shippingport Atomic Power Station located on the Ohio River in Beaver County, Pennsylvania, near Pittsburgh. It began producing electricity in December,

## The Way We Were, continued.

1957, providing power to the grid via the Duquesne Light Company until 1982. [19] Some sources dispute this claim, naming the Yankee Rowe Nuclear Power Station in Rowe, Massachusetts, that had operated from 1960 to 1992 as the first large scale nuclear plant in the United States. [20]

In closing, let's take a lighter look at our radio hobby, amateur and SWL. First, this unusual blank QSL card from the former Soviet Union:

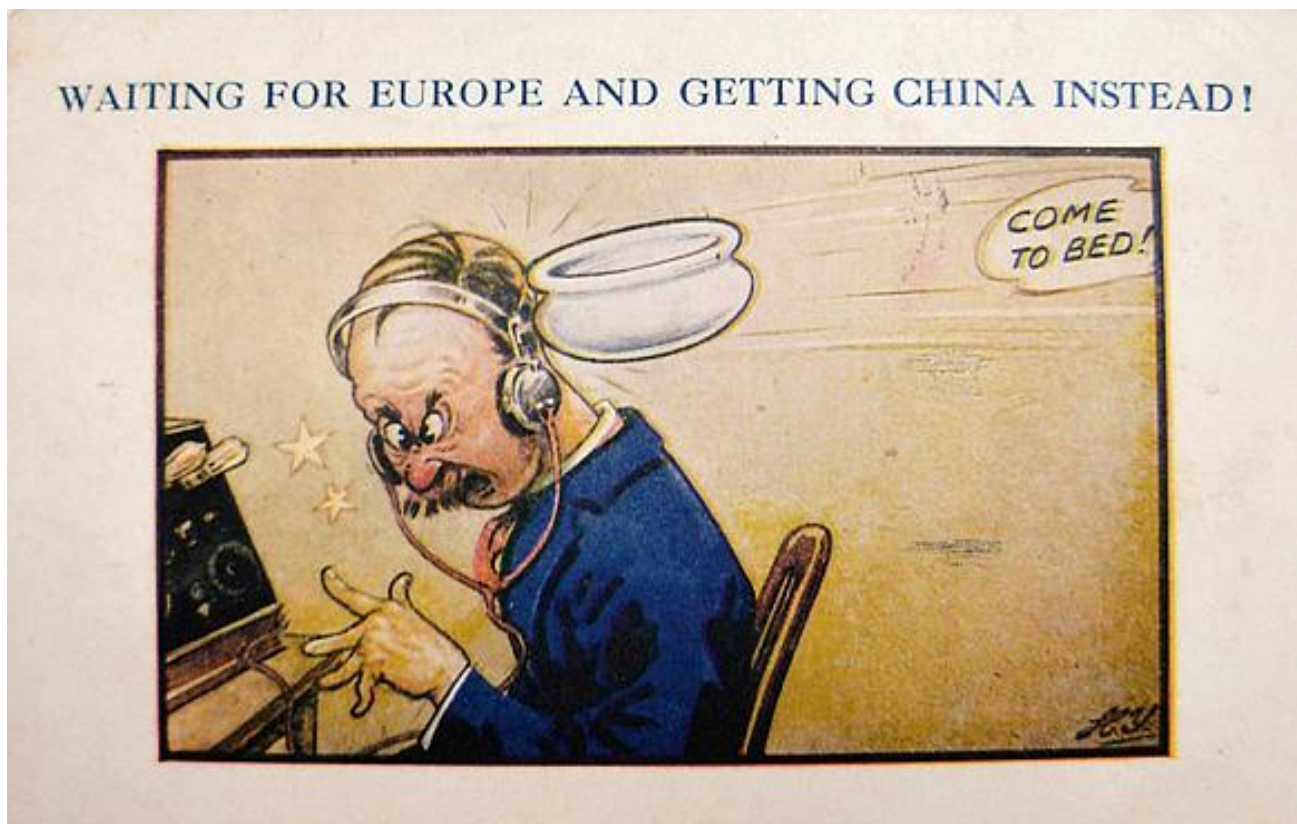


Probably dating from the 1970s, it shows what I think is a wolf at left chasing his elusive quarry, a rabbit, through a forest. The Russian caption translates roughly as, "Hey, DX, wait a minute!" We can all relate to this, can't we?

Here are a couple of delightful postcards that I believe are American, and dating from the late 1920s. Both are having a little fun at the expense of dedicated radio listeners, and could just as well be applied to some of us today, eagerly pursuing some DX without regard to our domestic duties:



## The Way We Were, continued.



“Plus ça change, plus c'est la même chose.” (The more things change, the more they remain the same).

## The Way We Were, continued.

Next month, we'll take a look back at some non-amateur stations with big antennas, high power transmitters, and the flying of sparks from our past.

Until then, I wish everyone the happiest of holidays, and all the best in the New Year.

73,

Fred W2AAB

## NOTES

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[11] *Op cit.*, Note [7]

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[14] W3KY listing, *Amateur Radio Stations of the United States*, June 30, 1929, United States Department of Commerce, Radio Division, United States Government Printing Office, Washington, D.C., p.69, at: [https://archive.org/details/1929\\_Amateur\\_Callbook/page/n71/mode/2up](https://archive.org/details/1929_Amateur_Callbook/page/n71/mode/2up)

[15] W5SMA listing, *Radio Amateur Call Book*, Fall, 1948 Edition.

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[18] *Wikipedia* article, "Experimental Breeder Reactor I," at: [https://en.wikipedia.org/wiki/Experimental\\_Breeder\\_Reactor\\_I](https://en.wikipedia.org/wiki/Experimental_Breeder_Reactor_I)

[19] *Wikipedia* article, "Shippingport Atomic Power Station," at: [https://en.wikipedia.org/wiki/Shippingport\\_Atomic\\_Power\\_Station](https://en.wikipedia.org/wiki/Shippingport_Atomic_Power_Station)

[20] *Wikipedia* article: "Yankee Rowe Nuclear Power Station," at: [https://en.wikipedia.org/wiki/Yankee\\_Rowe\\_Nuclear\\_Power\\_Station](https://en.wikipedia.org/wiki/Yankee_Rowe_Nuclear_Power_Station)



## EmComm Special Interest Group [Emergency Communications]

### Fair Lawn RACES/ARES Corner



I thought I would change things up, instead of providing similar messages month after month, I would provide an ARES related article. For the month of December the topic is on the Go Bag. (Since we've had poor attendance on our nets, I thought the Resonator would provide great information (as always).

I thank the Harris County ARES Team for the article.

On behalf of Fair Lawn ARES, Have a Happy Holiday Season and a Happy New Year.

David KD2MOB, FL ARES President

[Thanks to [www.w0ipl.net/ECom/perseqip](http://www.w0ipl.net/ECom/perseqip) for this article.]

### Personal Equipment

Each EmComm member is expected to be prepared to respond as effectively as possible to a callout. **No one is expected to ignore personal responsibilities to family or employer, nor unnecessarily risk their welfare!** *However, personal inconvenience or lack of preparation is insufficient reason for not supporting a callout!*

#### How do I prepare?

Put together a "go-bag" of the items suggested in the equipment list shown below. Please understand that you are not expected to stuff your entire ham shack, closet and pantry into a time capsule in preparation for an alternative life style in support of EmComm. Rather, that you think about the items you do not have and acquire them while there is time and no urgency. The list includes virtually everything you will need to be helpful in an EmComm event. We suggest you maintain one "go-bag" with the items that you would need only during a deployment and possibly a second (or it could be just a list) of the items that, when added to the first, will provide you with the personal supplies and radio equipment to make you much more effective and comfortable during an event.

To summarize, don't wait until you are called, to assemble your "go-bag."  
Do it in advance at your leisure.

The items shown in UPPER CASE are the ones most likely to be needed.

#### *Equipment:*

- EmComm/RACES/SERVED-AGENCY IDENTIFICATION CARD
- COPY OF AMATEUR RADIO LICENSE
- HANDHELD RADIO (dual band if possible)
- SPARE BATTERY PACKs (CHARGED nicad and AA)

Continued on next page.

### **EmComm SIG Report, cont.**

- HEADSET, SPEAKER-MIC.  
The most usable headset in high noise areas will have noise cancellation in the -20db to -30db to be effective.  
**\*\*DO NOT USE THE VOX OPTION\*\*** on any headset.
- 19IN. MAG. MOUNT/GROUND PLANE ANTENNA (will function on 70cm)
- COAX JUMPERS AND CONNECTORS
- CONNECTOR ADAPTERS (bnc/pl259, bnc/so239, some radios require SMA)
- DUCT TAPE
- SHORTHAND NOTEBOOK, PEN & CLIP BOARD
- WATCH
- MAPS OF THE AREA (Topo and street)!!!
- COPIES OF MESSAGE FORMS
- Compass and/or GPS
- Copy of District Operations Manual
- List of served agency phone numbers in your area (not just your district)
- Boundary-Marking Tape
- Insect Repellent (summer)

### ***Survival Items:***

- 3 DAY SUPPLY OF PERSONAL MEDICATION!
- WARM CLOTHING & BOOTS (bright colors for shirts and jackets)
- HAT - (this is IMPORTANT for everyone)
- GLOVES
- SPARE GLASSES (spare contact solutions if you wear them)
- FIRST AID KIT
- SUPPLY OF WATER (the warmer your region, the more you need but EVERYONE needs water with them)
- TOILET PAPER/KLEENEX
- Moist Towelette Packets
- SUN SCREEN (winter or summer)
- RAIN SUIT
- ORANGE VEST (for use if your clothing is drab colored)
- Space Blanket
- Plastic ground cover tarp
- Spare shoe laces and some twine
- Wool blanket
- Fanny-pack/Back-Pack
- Sports/Bicycle water bottle
- High energy snacks

Continued on next page.

## **EmComm SIG Report, cont.**

- Large trash bags
- Flashlight W/extra batteries
- Whistle

### ***Tools:***

- SWISS ARMY - type - KNIFE
- SCREW DRIVER (phillips and flat)
- PLIERS
- SIDE CUTTER
- CRESENT WRENCH
- ELECTRICAL TAPE
- VOM
- Fence Pliers (includes hammer)
- Crimp Tool (includes wire stripper)
- Assortment of crimp connectors, nails, brads, tacks
- 4 or more each of the 4", 8" and 12" plastic cable ties

### ***For public service events:***

- COOLER with FOOD & DRINK
- Lawn chair
- Umbrella (sun or rain)

### ***Optional items:***

- 3 Wire AC Extension Cord w/2-3 pin adaptor
- AC to 12V power supply
- Soldering Iron w/solder
- 2M Beam Antenna w/Tripod, mast & guy rope
- Nut Driver set
- Folding set of Allen/Torx wrenches
- Zip Cord
- Cash (for pay phones & if power is out)
- Transistor radio
- Binoculars

### ***HF Unique:***

- HF rig (12V dc preferred) with:
  - Microphone, Key, Head phones, external speaker
  - Tuner
  - 50+ ft. of RG8X or better

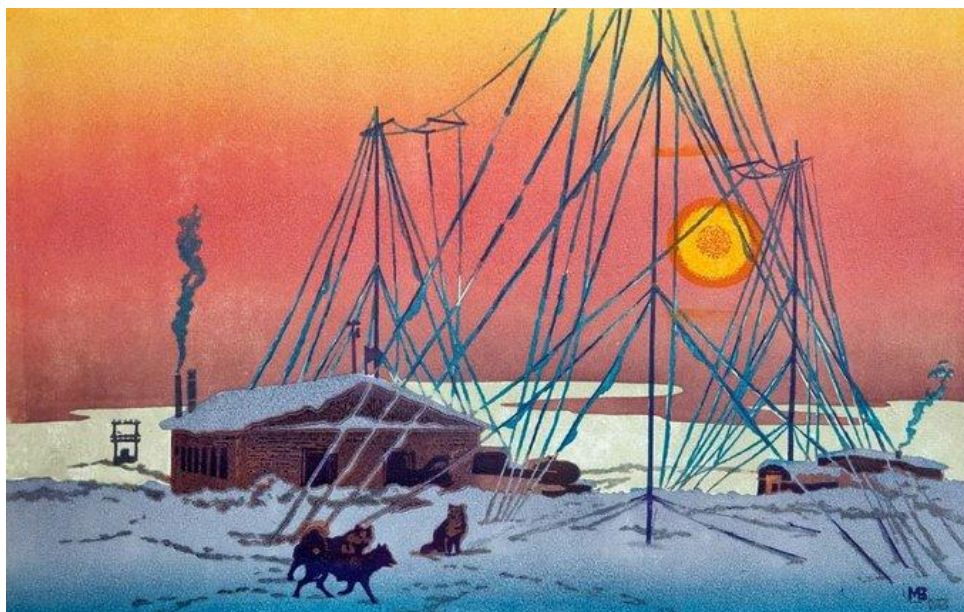
Continued on next page..



## EmComm SIG Report, cont.

- NVIS antenna: which is NOT a mobile vertical.
  - 75m dipole or 130 ft of wire
  - Insulators
  - 3 Masts, 8ft or more, preferably non-conductive
  - Guy rope
  - Tent pegs for guys
  - Lead weight & 50 ft light line for tossing over branches
  - "Loud" marking tape to warn passers-by of guys, lines.
- Power source (one or more):
  - 12V gel cell 75 A/H w/ charger
  - Vehicle w/ 12V battery & gas
- Portable shack:
  - Shelter tent
  - Table & chair

End of List.



Radio in the Russian winter • Oil on Canvas – Vasily Shulzhenko



## Digital Voice SIG Update



DigiVoice@FairLawnARC.groups.io

A Special Interest Group SIG for those interested in Digital Voice modes (Digital Mobile Radio) communications and software.

### Digital Voice Special Interest Group

#### DMR Net Schedule

Tuesday at 7:00pm - FLARC Digital Voice SIG Net

DMR TalkGroup 310015 on Brandmeister

Tuesday at 7:30pm - FLARC Digital Voice SIG Net

FLARC TGIF Network Talkgroup 14547.

Tuesday at 8:00pm - NorthStar Digital Net

DMR STEM TalkGroup 31630 on Brandmeister

Thursday at 7:30pm - BCFMA DMR Net

Only available via direct RF to the K2GCL 443.100MHz repeater.



For those interested in joining all the Digital Voice excitement! Contact Bob H. [KD2BKD@optonline.net](mailto:KD2BKD@optonline.net) for information on the Digital Voice SIG. Or just go to the club website [FairLawnARC.org](http://FairLawnARC.org) and use the "Join Special Interest Group(s)" link on left.



## Annual FLARC Member Survey Arrived on December 1<sup>st</sup>

The annual FLARC member survey is now in your email box on Wednesday, December 1<sup>st</sup>. Along with the usual questions about our members, there have been many suggestions about club activities and operations added to this year's edition.

It will arrive in your mailbox with a header from [survey.FairLawnarc@gmail.com](mailto:survey.FairLawnarc@gmail.com). Please click on the survey and add your voice to keep this club the best one around.

The findings will be presented in either late February or early March.

## Radio Monitoring Special Interest Group Update

[monitoring@FairLawnARC.groups.io](mailto:monitoring@FairLawnARC.groups.io)

A Special Interest Group SIG for those interested in SWL and other radio communications monitoring.

I have a potpourri of stuff this month.

There is always something to listen to as we scan the frequencies from DC through light.

As you read this we are now in the month of December and the sun spot count is slowly moving up. That means conditions on HF three to thirty MHz are getting better.

However we shouldn't neglect the frequencies in the VHF bands, particularly VHF "low band" from thirty to fifty MHz as well as the low television spectrum from fifty-four to eighty-eight MHz.

Starting in the last two weeks of December and going through the first week or two of January we, in the northern hemisphere, experience short-lived but intense sporadic-E skip. This can cause long haul openings on low band as well as DX on the low television band. This E-skip is not as lengthy as what we can experience in the summer, but never the less can produce some noteworthy DX.

Even though most of the over the air TV broadcasts in North America have migrated to UHF with the digital Television conversion a few years back, there is the opportunity to still catch TV DX from the Caribbean, Central and South America. The nations in this area are still using the low band for Television broadcasting in NTSC.

If you still have an older pre-digital TV you may want to put it on an antenna and see if anything turns up during the E-skip flair up that I've mentioned. You may have the opportunity to see some things that haven't been seen in the region before, owing to the fact that there are no more local stations in the way.

Those of us of a certain age dating back to the fifties and sixties remember the cold war, which manifested itself in various forms – particularly if you were a radio enthusiast.

Continued on page 43 .

## Satellite Special Interest Group Update

Satellite-SIG@FairLawnARC.groups.io

A Special Interest Group SIG for those interested in amateur radio satellites, as well as others like weather, GPS, etc..

Yuri's Night is an international celebration held every April 12 to commemorate milestones in space exploration. It is named for the first human to launch into space, Yuri Gagarin, who flew the Vostok 1 spaceship on April 12, 1961.

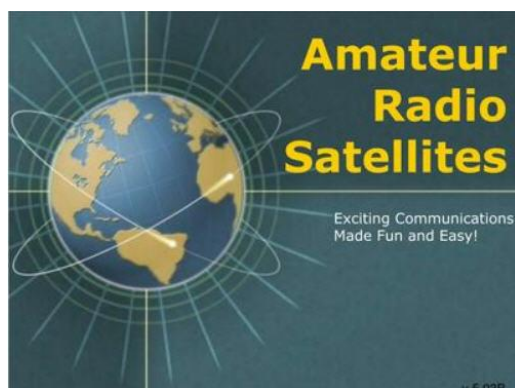
A couple of members of the Satellite Sig are possibly interested in doing something satellite related on that night. Try to work a couple of the birds. Talk satellites.

If you are interested in either participating or just watching to learn more about this facet of the hobby, drop a reply...we'll communicate to the larger group starting in January if there is interest.

We welcome all interested in all types of satellite communications. Some interests are AMSAT, ARISS, receiving weather maps from satellites, APRS via ISS, and much more.

For those interested in joining all the Space Radio excitement! Contact Bob H. [KD2BKD@optonline.net](mailto:KD2BKD@optonline.net) for information on the Satellite-SIG.

Or just go to the club website [www.FairLawnARC.org](http://www.FairLawnARC.org) and use the "Join Special Interest Group(s)" link on left.



## Kudos To Thom W2NZ

Our club videographer, Thom W2NZ, received a nice note from Tom Perera W1TP after Thom released his production of the November *Kawfee Tawk™* YouTube –

### *W1TP's Bugs & Spies, a Collection of Toys*

Why not check it out on our FLARC YouTube channel... a great presentation!

<https://youtu.be/0J9M5ba8qaU>

Here's the note that Thom received from Tom:

It's absolutely wonderful, Thom !

What a great job.

Somehow you made it look as though I knew what I was talking about... Amazing... !

Clear as can be and a great lead-in.

Wonderful sound effects that tremendously enhance the talk.

Many thanks and 73, Tom

Can't ask for better than that! Congrats, Thom – all that time and skill you put into making our YouTube videos great does not go un-noticed.





## Planning for next year - 2022

<u>2022 Date</u>	<u>Program</u>
Saturday- Sunday, January 29-30	Winter Field Day
Tuesday, April 12	Yuri's Night (tentative)
Monday, April 18	World Amateur Radio Day
May TBD	Portable Day with BARA
Monday, May 30	Memorial Day Parade
Summer TBD	FLARC DX Camp (tentative)
June TBD	Radburn Street Fair
Saturday -Sunday, June 25-26	ARRL Field Day
July TBD	Independence Day Fireworks
October TBD	River Road Street Fair
October TBD	Portable Day with BARA

## ***The Resonator*** **Goes On A Mini-Holiday**

As part of the rites of the aging process, your editor is headed off to FL with the XYL and pooch for about eight weeks in the sun – returning after Valentine's Day to shovel snow and make the trip an instant distant memory.

As a result, *The Resonator* may look a little smaller (mercifully) but will still publish on schedule (we trust). January, February and March will be affected and then (maybe) back to normal with the April issue.

Ed WX2R

## ***QUA – The Resonator's Predecessor***

A holiday tradition, each year we go back into the archives and reproduce an old issue of a FLARC newsletter to recall old calls and see how the ham world has changed (or not).

On the following three pages, we go back to December 1992. BTW, we never did document the club history as far as the editor recalls.

-ed

## Radio Monitoring, continued.

You probably remember CONELRAD. This was a system that the FCC adopted in response to a possible Soviet attack on the US. If the system was activated some AM stations would go off the air. Other broadcast stations in the nation were ordered to leave their assigned frequencies and go to either 640 or 1240 KHz. Once there, they would broadcast whatever emergency information that needed to be gotten to the public.

The reason for this dates back to World War II.

As you know, on December 7 1941 the Japanese attacked Pearl Harbor Hawaii - which brought the United States in to the war.

In preparation for the attack the Japanese task force kept a listening watch on KGU Radio in Honolulu. They specifically used the signal from that station for direction finding to locate their targets.

To prevent the Soviets from doing this, US radio stations would broadcast on the same frequency causing disruption to the enemy direction finding efforts.

Interestingly, when interrogated after the war the Japanese indicated that listening to and homing in on KGU was vital in the success of their attack on Pearl Harbor.

Those of you who are interested in monitoring the spectrum from DC through light are strongly urged, if you haven't already done so, to check out the Monitoring group on the FLARC Groups.io website.

<https://fairlawnarc.groups.io/g/monitoring>

73 and good DX to all and the best for the holiday season and the new year.

Dave, N2AAM

KDKA/Pittsburgh is widely recognized as the first commercial broadcast station in America (beginning operations in 1920) but Hawaii was not far behind as KGU went on the air in spring 1922. Through the '20s and '30s stations frequently migrated from one frequency to another; before landing at 760, KGU operated on at least two other frequencies...1110 (documented in 1925 by the US Department of Commerce) and 940 (according to the FRC in 1930). KGMB was Honolulu's second radio station, reportedly beginning operations within hours of KGU (although it was officially licensed in 1929 at 1320, later moving to 590). Through the 1920s most call letters were issued sequentially and KSSK's original call letters of KDYX would have been assigned during May of 1922, falling between the now-deleted KDYW/Phoenix and KDYY/Denver (KDYL, now KFNZ/Salt Lake City, was issued on May 8, 1922). Although he is most remembered for his time at KGMB, Aku also did mornings on KGU (among other Honolulu stations). KGU is the only three-letter call sign in Hawaii; the station carries Christian talk programming and is owned by Salem Communications.



# QUA

## Fair Lawn Amateur Radio Club

### 1992 Club Officers

**President:** Lee Bowgren, WK2T  
**Vice President:** Mike Zadoroznyj, KB2HMK  
**Secretary:** Ed Efcak, WX2R  
**Treasurer:** Frank Magyer, N2NHK  
**Trustee:** Harvey Hoffman, WA1YCP (1993)  
**Trustee:** Frank Terranella, N2IGO (1994)  
**Trustee:** Tony Walker, KA2TAM (1992)  
**Newsletter:** Ed Efcak, WX2R



**Sponsored By the Fair Lawn Recreation Department**

DECEMBER 1992

NUMBER 12

### MEETING NOTICE

The December meeting of the Fair Lawn Amateur Radio Club will be held on Friday, December 4th at the Old Library Theatre on River Road beginning at 8:00 PM. Election of officers and trustees for the 1993 year will be held.

### ELECTION OF OFFICERS

The December meeting marks the election of officers for the year 1993 and for one trustee vacancy of three years duration. Nominations may again be made during the business meeting prior to balloting. Only currently paid up members of the club have voting rights, pursuant to the club's bylaws.

### NOVEMBER MEETING NOTES

The November meeting was called to order at 8:00 PM by President Lee Bowgren (WK2T) with 37 members present. Minutes of the October meeting were read and corrections made to two callsigns before approval. The Treasurer's report was read and approved.

There were no expenses brought forward and there was no correspondence with the club during the preceding month.

**Committee Reports:** Chris (N2MFH) reported the satellite committee's work nearly done with the antenna installed and some final work regarding equipment acquisition and installation. It was expected that costs for this project would be held within funding guidelines.

**Old Business:** Tony (KA2TAM) pursued the issue of the purchase of a generator for the club and the inherent need. Chris (N2MFH) questioned the need and mentioned other possibilities for future purchase such as a workbench for construction or for equipment that improved digital communication. President Bowgren asked for discussion with the result that a plans committee for 1993 expenses be established. Chris (N2MFH), Matt (N2QOJ) and Ben (KF2ID) agreed to serve on this committee.

Questions were raised regarding the town's possible purchase of a generator or possible having one to donate based on the club's service to the town in case of an emergency. Pete (K2MHP)

thought that the town did not have equipment to spare but that the town should be queried through Tom Metzler, OEM Chief, about a resolution as well as the Recreation Commission. Ed (WX2R) to follow-up with letters to both

**New Business:** The holiday party was discussed with date to follow at the December meeting. Ed (WX2R), Harvey (WA1YCP), Steve (N2KBD) and Millie (KB2NGH) among others will coordinate.

Pete (K2MHP) discussed changes in the VE testing program including new rules regarding novice exams and testing of disabled candidates. He also discussed BARA's test dates with FLARC for 1993 and that club's continued support for FLARC's providing testing facilities to enable this to be one of the area's strongest testing programs.

Discussion was held on whether to acquire new callbooks or to go to CD ROM with attendant equipment. Costs, capabilities, and needs were discussed with the matter tabled until more information was acquired. (See accompanying article -ed)

Following new business, nominations for officers for the year 1993 were made. Candidates presented were:

### Trustee (3 year term):

Ben Sterman KF2ID  
 Matt Ehlers N2RQX ✓

### Treasurer:

Frank Magyer N2NHK

### Secretary:

John Cuomo N2OHT  
 Matt Ehlers N2RQX

### Vice President:

Al Savio N2OBH

### President:

Chris Pappas N2MFH  
 Mike Zadoroznyj KB2HMK



## NOTES ON THE NET

The Fair Lawn ARC net meets weekly on the ten meter band on 28.350 +/- QRM on Tuesday night at 8:00PM or 0100 UTC. Interest in the net has been flagging. During the week of November 10, the net was really a QSO between John (N2OHT), net control, and myself. I urge the Techs without code to upgrade so that they may participate in the net. Without your support, the net cannot continue. So please, check in...

(Tony—KA2PPO)

## DON'T FORGET DUES... A GENTLE REMINDER

December is a time for giving and one must not forget the greatest gift of all — your twelve bucks in dues to support this club. While you may act like Scrooge at this time of year and spend money the rest of it, now is the time to dust out the old wallet or checkbook and help out the accounts receivable department here at old FLARC. Do it NOW, while you're thinking about it. Need a little prodding? What type of slogan works best for you? Perhaps... "only a dollar a month for dues"; "one gift works many wonders"; "thanks to you it works for all of us"; or "pay up or shut up", the plea is the same: please stay current or Ben (KB2EJY) will cut you from the rolls and keep you from reading this newsletter. Twelve dollars...payable to "FLARC"...via Frank (N2NHK)/TNX

## DECEMBER VE TESTING DATE

The Crystal Radio Club will sponsor VE testing on December 8 (Note: date may be December 9, call to confirm - ed) from 7-9 PM at the Rockland Fire Training Center, Fireman's Memorial Drive, in Pomona, NY (Rockland County). Walk-in's are ok. Don't forget the usual—two forms of ID, your original and one copy of your current ticket, your original and one copy of outstanding CSCE's and \$5.40 for the exam (except novice). The center is off exit 12 of the PIP—Route 45 to Pomona Rd. to Fireman's Drive. Call Steve at 914-357-0712 or Bill at 914-268-6235 for more information.

The 10-70 Repeater association will hold VE Testing at Don Bosco Prep on Franklin Turnpike, Ramsey on December 12 from 9 AM to 12 Noon. Call Andy - WB2RQX at 201-445-5924 for more information.

Good luck...

## CLUB BADGES STILL AVAILABLE

Paul (N2PBZ) reminds the membership that he can still make call badges available for just five dollars. Many members have taken advantage of this offer, a price that is mucho cheaper than what other clubs or fleas charge. Hey, such a deal. Paul reminds that all kinds of badges are possible, not just the call variety, so see him about it, packet him via KF2GG or N2AUL-4, or give him a call. (Please: Paul needs at least five orders to ensure

placement, and no orders during November or December/TNX)

## SOME CLARIFICATION ABOUT HAMCALL

November's meeting got around to discussing the Callbook vs. Buckmaster (in its various forms) so included in this month's letter is some detail on their on-line and CD ROM accessing system and

their most recent prices. While the club does not plug nor endorse specific products, the questions and ensuing discussion almost begs for a clarification in advance of the upcoming meeting.

## ALSO INCLUDED IN THIS MONTH'S BAG OF GOODIES...

If you've ever gotten questions about your shack by visitors, the attached certificate (suitable for framing) should handle most, if not all, of the questions.

## NO UPGRADES OR CALLSIGN CHANGES THIS MONTH!

## CHECKING INTO COMPUSERVE

Don't know how many of you are aware, but CompuServe offers a Hamnet bulletin board on the "Hobbies" subdirectory. It's pretty lively and offers a library of some pretty good software to download. If you use the service, why not drop me a line with your id (I'm 70762,1477) and we'll create a directory.

(Ed-WX2R)

## HOPE IT'S NOT TOO LATE...

An item that missed the November deadline: in the category of Swap and Shop; one used PK-232 TNC without cables for \$200...see Coz (N2KWE) via Major Armstrong repeater (222.640 in/224.24 out; PL 107.2 (W2VH)

## HAPPY NEW YEAR!!!

No, not yet, but it's not too soon to be thinking about next year's hamfests, the first being the Metro 70cm flea at Lincoln HS, Kneeland Ave, Yonkers, on January 17, 1993 from 9 AM to 3 PM. There are VE exams, and (if you're still hung-over, FREE coffee). It's four bucks to see the junque, harmonics are FREE, and it'll be warm inside. Talk-in on 440.425 PL 156.7; 223.760 PL 67.0; and 443.350 PL 156.7.

## SPEAKING OF HAMFESTS... ANOTHER EDITION OF N2PBZ AND N2QBM "HIT THE ROAD"

The date: October 17. The time: 0700. The place: Dunkin' Donuts, Paterson. I contacted N2QBM and after coffee we were off to the Tri-County Radio Assoc. hamfest. While we were the only two FLARC's in attendance, there were hams from BARA, 10-70, and Split Rock in attendance. Nice to see Gene (KJI) there and nice to donate at FT-411E for the grand prize. The wx was good and it was a good show and I can recommend it.

With the hamflea season coming to a close and the holidays approaching, it has been fun and enjoyable for me to write this column for the FLARC bulletin. I can't wait 'till the Spring to get the pen out again and "hit the road". Don't forget Metro 70 in January and BARA on June 5 for starters.

73's and enjoy the hobby and holidays— Paul (N2PBZ)



(Editors note: Thanks Paul for the fine contribution; I've still got one review that hasn't been published and we'll run it in the depths of winter to get the fleamarket blood flowing again. Best.)

### **FINALLY...A NOTE FROM THE EDITOR**

Thanks to all who helped make this year's editions of the newsletter enjoyable to write and, hopefully, fun to read. And a thanks to all who helped produce, reproduce, collate, and distribute the final results. The FLARC letter is not the production of one person; there are others; many, many others who keep me in line (as in deadline) and then there are the unsung heroes in getting it to you every month. Clubs live or die with their letters, it seems...they keep the club up front to its members, and give a feeling of their vibrancy to hams in other clubs or to those without clubs. But final editions are just the result of the editor; the copy must come from the membership so that it reflects the spirit and goodwill of the club. At times, this year's twelve issues have been a fun thing to write; at others (particularly spaced around salt-mine requirements and travel) it's been not so good. The goal for 1993 is to make this the best club bulletin in the area, so thanks in advance for your input and best wishes to you all for the upcoming holiday season.

73 de WX2R

### **...AND THE PUBLISHER**

We gratefully accept all contributions to the newsletter. We prefer them to be in machine

readable form. I can read MS DOS 3 1/2 and 5 1/4 formats, MACINTOSH High Density Disks (1.44 MB), Some CP/M formats (for those who still use them) and can accept copy via modem. I have a Courier Dual Standard Modem that will accept 300 through 14400 bps. Modem transfers can be made by prior arrangement.

I also can receive copy via packet. You can send me a message at N2DZZ-4 on the ROSE Network. The connect paths are:

On N2KBD-3 - 145.51:C N2DZZ-4 V N2KBD-3,201595  
On N2DZZ-3 - 144.97:C N2DZZ-4 V N2DZZ-3,201595

N2DZZ-4 is accessible from all ROSE Nodes. If there is a closer node than those mentioned above, please use it and connect using the same format.

After connecting to the BBS send me the copy via a private message using the following command:

SP N2KBD@N2DZZ

You will be asked for the title followed by the text. If you have any questions, please give me a call.

If packet is used, please observe FCC rules regarding content.

We look forward to receiving your contributions to the FLARC Newsletter.

73 de N2KBD

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**Published by Steve - N2KBD**

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**Fair Lawn Amateur Radio Club  
12-56 River Road  
Fair Lawn, NJ 07410**

## What Is It? – Answer To Last Month's Question

By: Fred Belghaus W2AAB

Did you get this? It's a point contact Germanium diode. Yes, not only early transistors were point contact type, so were diodes. The term "point contact" means that a single, thin wire is fused to an N-type semiconductor surface, thus forming a very small point of contact, and resulting in a very small value of capacitance at the junction. [1] They're still being made, but they look very different today. The type shown above was made in the 1960s, and is much larger. The two halves are joined by a glass envelope, and the cathode is marked with a blue band. Here's one of more recent manufacture:



Image: Etsy



Image: eBay

These diodes find wide usage as detectors from the AM broadcast band up to microwaves. In fact, point contact diodes were the earliest detectors and mixers used at microwave frequencies. [2] I once had a World War II Navy RADAR receiver that used one, but it looked quite different.

Here's one of those early point contact diodes specifically designed for microwave use:



Image: eBay

### NOTES:

[1] "Point Contact Diode," *Electronics Coach*, at: <https://electronicscoach.com/point-contact-diode.html>

[2] Semiconductor for You, "What are the Applications of Point Contact Diode?" *Semiconductor4u*, May 28, 2021, at: <https://www.semiconductorforu.com/applications-point-contact-diode/>

73,

Fred W2AAB

## What Is It? – November, 2021

By: Fred Belghaus W2AAB



I thought I'd give you an easier one this month. Yes, it's a 1B3/1G3, which is a high voltage (low current) rectifier tube. These were once one of the most widely used tubes of all time. The question this month is...where were they most used? Hint: They were used in a very common piece of electronic equipment. In fact, most of you probably have one, or had one at one time, whether you knew it or not.

Answer next month.

73,

Fred, W2AAB



## Be "The Boss" For An Hour – Become A Net Control Operator for the W2NPT "Near And Far" Net!

What is the "Near and Far Net"?

It's a get-together on-the-air to chat about stuff!

It takes place on Monday nights at 8pm (eastern local time) on the W2NPT repeater (145.47Mhz, 6khz negative shift, PL 167.9). You do NOT need to be able to hit the repeater to participate; heck you don't even need a radio (although you will need a call-sign). You can connect to the net via ECHOLINK (on your computer or cell-phone), and you can even run the net as a net controller via Echolink. So, do not be held-back by any preconceived notions! We welcome everyone into the net and \*if\* you do wish to run the net, we can provide you with everything you'll need to comfortably perform that function.

## Corrections and Amplifications

Last month we omitted the entire roster of officers for our new FLARC Portable Operators Group and it's new callsign NK2H. Here they are:

Trustee:	Ed Efchak	WX2R
Trustee:	Nomar Vizcarrondo	NP4H
Trustee:	Noel Pagan	W2MSA
Trustee:	Steve Rosman	KA2YRA

## Gentle Reminders About FLARC Best Practices

Considering all the background noise that goes on in our lives, it is important to remind members of FLARC best practices in communicating amongst ourselves:

- Political discussions **or related posts that have a political overtone** are off-limits not only on the air but for inter-personal FLARC communications. What you find humorous others may find offensive or inappropriate. Refrain from posting such content.
- If your email box is always full assume your FLARC colleagues' mailboxes are also. Send messages only to the SIG groups that are relevant. DX spotting to the DX group, etc. Keep the general FLARC mailbox open to matters that only impact everyone.

Think before hitting the "Send" button.



## Help FOUND! Kawfee Tawk™ Speaker Bureau Assistant

The FLARC Publicity Committee has found an assistant to join our Kawfee Tawk Speakers Bureau team. The monthly speaker series features unique and exciting speakers to keep club members informed about current and interesting issues in amateur radio.

Congrats go to Past President Stan Sanders KC2K for stepping up and keeping me company. If you see or hear a speaker that FLARC should hear, let me know and Stan and I will follow. Contact Ed WX2R for more details or email at wx2r@arrl.net.

— • • • —

## The 2021 Great FLARC Auction

With the final results pretty much in, Bill WA2WL reported at the FLARC Annual Meeting that there were 14 sellers and 54 buyers to our post-Thanksgiving auction.

He reported a very, very good night and a nice contribution to the treasury.

Thanks to all who helped either plan or participate in the auction – an annual FLARC tradition back again!



## Contest Corner

– Van W2DLT



--- First – congratulations to the people who participated in the CQWW-CW Contest on November 25th (Friday 7PM – during the FLARC auction) and on through Sunday evening November 28th at 6:59PM. Several were newcomers to CW Contesting (See info on SST below) who monitored, copied calls and made a few contacts.

Others participated and aggregated their efforts either to FLARC or to FRC. They included Fred W2AAB, Nomar NP4H, Noel W2MSA, Paul K2PJC, Van W2DLT and others.

Conditions were not as great as they were for CQWW-SSB a few weeks ago, but 10 and 15 meters were winners, with 20 and 40 meters being the “money bands.” All in all, it was a fun time and I made contacts in 36 countries.

The main objective in any contest is to have fun – learn – work new stations and countries. This was a good one for that.

--- On another subject: So you don’t have a station, or you have a station with only modest antennas and low power? Well, there is a very practical solution.

Guys like Ray W2RE and Lee WW2DX maintain HUGE, very well equipped stations that they RENT to others at modest prices. People in apartments, gated communities and with only a small station can RENT these top-of-the-line stations for Contest or casual use. Imagine calling CQ from the top of a mountain in Eastport, Maine with a commercial grade station sporting a KW and huge antennas.... The world is your oyster.

Check it out: it’s called “Remote Ham Radio” or RHR. Even if you only give a run once in a while – operating a world class station, you’ll fully experience the thrill-of-the-chase.

Continued on page 51.



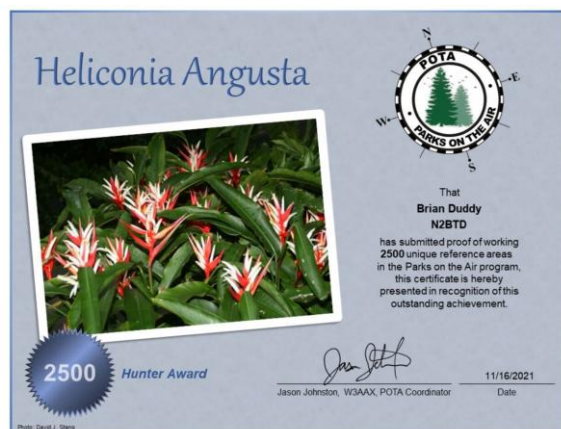
## FLARC PortableOps SIG

PortableOps@FairLawnARC.groups.io

This is a Special Interest Group (SIG) for members interested in portable ham radio operation such as POTA, SOTA, IOTA, LOTA, etc.

The purpose of this SIG is to get outdoors and practice our operating skills from different places. We can share outing experiences, tips and work on our operating skills.

Very attractive award certificates can be earned in the POTA Parks On The Air program. Here is one that Brian N2BTD just received recently for contacting 2500 different parks! Wow!



## Report from Portable Ops SIG, cont'd



Here's a large percentage of the FLARC Portable Ops SIG out on a recent activation.



Noel W2MSA, Jim N2JLF, Steve W12W, Ted KC2YKA, James KB2FMH, Brian N2BTD, Steve KA2YRA, Ken W2SCT, Wilson KD2UXE





## From The President, continued.

benefit of the club and its members. Also, our appreciation to Fred W2AAB and Van W2DLT for participating in this process. They are also strong columns of our Club, and we know that they will also work hard in other capacities. So, Fred & Van, get ready, we'll keep you busy in 2022. And a great deal of thanks to Don K2PD for his service as he 'retires' from his three-year position as a club Trustee.

I would also like to welcome to the board Dave KD2JIP as our new VP and Dave KD2MOB as our Secretary. Welcome back Bruce NJ2BK and Ed WX2R and Fred W2ABE who continue as our Trustees. I can't forget Tom N2AXX who did a fantastic job as Secretary. Thank you all for your service and dedication to FLARC. We wish you all the best and our thoughts and prayers are with you.

And to all of you, my appreciation in your confidence in having me serve once again as your President. To all of you that have given your time, your knowledge, your EVERYTHING to FLARC, THANK YOU! You know who you are.

I am looking forward to 2022, and I am sure we will continue to do wonderful things for our community and for our hobby. I count on you to make it happen once again. I wish you and your families a Happy Holiday Season full of blessings, health and everything you most desire.

May 2022 be a better year for all of us and may it be a year where we can continue to unite, have fun, and enjoy Ham Radio. Please, be safe, stay healthy and "I'll see ya on the radio".

73,

Nomar, NP4H

FLARC President

## Contest Corner, continued.

--- *Goodwill towards men is the essence of amateur radio!* A quote by David Nurse W8GCD, the President of the Heath Company (Remember the Heathkit days?)

--- There's a weekly slow speed CW Practice Test called the "K1USN Slow Speed Test." It runs every Friday and Sunday for an hour – (3-4PM EST Friday and 7-8PM Sundays ) and again on Mon. Here are the "recommended" frequencies it operates on: 1.812 – 1.828, 3.528 - 3.545, 7.028 - 7.045, 14.028 - 14.045, 21.028 - 21.045, 28.028 - 28.045. Good code practices both receiving and sending. Give it a try and let me know what you think.

--- Don't like CW "yet" ... How about a one hour weekly SSB "contest" called the Phone Fray? It runs weekly from 9:30-10PM on Tuesdays. 100 watts, no spotting – all bands (no WARC bands)<sup>1</sup>.

--- Here's another opportunity to get on the air for an hour "contest" weekly. It's every Monday evening from 8PM to 9PM on all bands including 6 meters (no WARC bands)<sup>1</sup>. It's called the "Worldwide Sideband Activity Contest." The exchange is a signal report and one of the age group – OM, YL, Youth YL, Youth OM or Youth. Suggested frequencies are from the bottom of the General Class portion of each band and expanding upward as necessary.

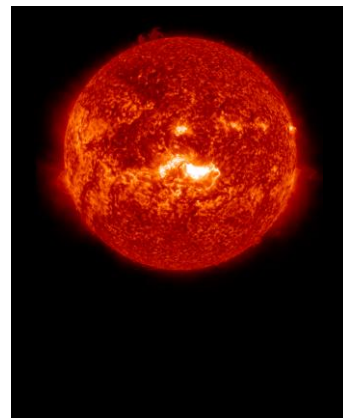
--- No excuses for not getting on the air. During these times – there WILL be activity on each band.

--- The "contests" listed above are but a few of the dozens of "contests" that occur each week. See the [www.contestcalendar.com](http://www.contestcalendar.com) website for a complete list for the week/month or year.

--- Things are heating up with the return of sunspot activity – watch the Space Weather Woman at

<https://www.spaceweatherwoman.com>

for weekly updates as cycle 25 begins to rise. Big things are coming – you'll be able to work most bands all day, every day and often all night in 3 to 4 years as the cycle peaks around 2025. Think about antennas, rigs, practice and schedules as things heat up. Exciting times are coming...





## In A Nutshell



We had our FLARC auction and due to the hard work and dedication of all those who volunteered, it was a success!! Thanks to ALL!!

I already had my first snow of the season, but it was just light and went away after the sun came out but I still had to clean the car and the truck before going out.

Now is the time to be inside and on the air [75 meter rag chewing for me] but no matter what your style, try to get on the air. Remember, we all had a starting point so be patient with the new guy on the air.

It is also a good time for kit building or home brew no matter if it is a radio or just a simple project. It is also a good time to do those little repairs and sprucing up of connectors, switches, cables and the like.

The biggest point is talking to others on the air - which is a good way to social distance and still have friends! We have been doing that for over a hundred years! There is still magic in hearing another's voice over the air since it cannot be faked.

Keep warm and keep safe in all you do when working on anything electrical or anything else for that matter. Keep those tube sets warm and those amplifiers too!

73,

Fred  
W2ABE



## Photos from 2021 Great FLARC Auction



## Theoretics Demystified

In days of old, about a hundred years ago, when electric wiring was a new thing in houses, they first ran the hot side up one side of the house and the neutral on the other. This ultimately led to fires due to what they called back then, Self Induction.

Self induction, which sets up spurious resistance, must be considered in wiring design if separate conductors are used for supply [now that we have BX or Romex cable] or if we run wiring in conduit. The self induction sets up a resistance and thereby heat due to the resistance involved, which can lead to combustion if great enough!

Mutual induction is set up when wires are close by to each other; but again that is negligible unless the wires are coiled together. In this case the magnetic coupling takes up the energy instead of heat. [think coils or transformers]. Mutual induction is the effect of one alternating current circuit upon another.

But back to self induction. The effect of self induction must be taken into account when major power lines are run, that is because even though the separation of those lines which is determined by the voltages being used and therefore the need to separate the lines to eliminate the corona effect or the possibility of flashover due to the high voltage. How the mutual induction is cancelled is by running the high tension lines so that they reverse for single phase lines, or rotate physical position for 3 phase lines. This cancels or evens out to null the effect of mutual inductance.

Another thing that is important is the spacing of towers so as to eliminate the problem with standing waves on the transmission lines. Another thing that is important is that even though the wires are in a straight line, there is still a factor of capacitance between them. There is also what is termed 'skin effect' where the AC current tends to be on the outside of the conductor, but this effect is small for frequencies below 100 cycles per second.

Lastly the spacing of high voltage lines is made so that there is no possibility of a corona discharge between conductors. The spacing is determinant upon the voltage that is needed to run through the conductors involved. At very high voltages, the spacing is quite large, that is why you see very big

## Theoretics Demystified, continued

insulators which hold the high tension lines to their towers. For example for 5,000 volts the spacing of conductors is 28" but for 120,000 volts, the spacing is 120".

One last thing is power factor which is a measure of how the current is in step with the voltage. Much more can be said, but that is for another time. Some of the above were considerations needed in the old days when inside wire was run as single conductors in old houses about a hundred years ago but is not now needed as the modern wiring is dual conductors or three when there is a ground wire as has been required and now four as you need to have the hot wire, the neutral, a ground wire and an isolated ground, at least for outlets. Therefore self inductance does not exist to any measurable degree.

Just for fun I will tell you about a different kind of lamp [light bulb, if you will] called a Nernst lamp. It consists of a glower which is an insulator at room temperature but becomes a conductor at high temperature. How it works is that when powered a fine platinum wire wrapped around a thin porcelain tube next to the glower raises it's temperature and it starts to conduct and as it does, it passes current through a magnet coil which opens a normally closed circuit for the heater thereby dropping it out so the glower which is now white hot produces light. There is also a ballast wire to protect the glower from over voltage as its resistance decreases with temperature. The ballast wire is iron whose resistance increases with temperature thereby offsetting the glower's lower resistance so protecting it from destruction.

Fred Wawra W2ABE, 73!

## Pandemic Theatre

An interesting clip from a while back on the origins of numbers stations as a complement to Tom Perera's (W1TP) talk on spy radios from the November 19th Kawfee Tawk.

About 27 minutes.

<https://www.youtube.com/watch?v=Eiz21RxIXAU>





For FLARC membership info and renewal/application form please visit:

[membership.FairLawnARC.org](http://membership.FairLawnARC.org)

## FLARC Dues, new and renewal, (and even donations!) can now be made on-line ...

[Please note that this is a temporary improvement while Dave KD2JIP works on a real, full-fledged web page for filling out the membership/renewal form and submitting that and payment on-line.]

Payments can be made using either PayPal or Zelle.

Here's how –

### Using PayPal —

Log into your PayPal account at

<https://www.paypal.com>

At top right, select "My PayPal"

Under Quick links, select "Send Money"

In the window showing  
Name, email or mobile number  
enter this email address:

[1947xyzabc1947@gmail.com](mailto:1947xyzabc1947@gmail.com)

Click on [ Next ]

Enter \$ amount you are sending, & in "add a note" area type in your CALL SIGN and which year (2020 or 2021) the dues are for, & any other explanation.

Click on [ Continue ]

Click on the [ Change ] button

Click on "Sending to a friend" link

CONTINUED IN NEXT COLUMN —>



Sending to a friend

No fee to use bank or balance to send to friends and family in the U.S.

You will see a summary of your transaction; if no changes are required, click on

[ Send Payment Now ]

to complete your transaction.

\$

### Using Zelle —

If you are using Zelle through your bank account, just send your dues to the following number: 201-240-9317

Don't forget to add in the note/message section your callsign and that it is for your 2020 and/or 2021 dues.

**OR** you can still use a good ol' Check or Money Order payable to FLARC - always put your Call Sign and "dues for 2020" (or 2021) on the check. MAIL TO:

**Bruce Kalogera, NJ2BS**  
163 Meadow Lane  
Secaucus, NJ 07094





## Fair Lawn Amateur Radio Club

Fair Lawn Recreation and Community Center  
10-10 20th Street  
Fair Lawn, N.J. 07410

### MEMBERSHIP/RENEWAL FORM

Name \_\_\_\_\_ Call \_\_\_\_\_

Address \_\_\_\_\_ PO Box \_\_\_\_\_ Ste./Apt # \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Roster Published Phone # \_\_\_\_\_ Unpublished Phone # \_\_\_\_\_

Roster Published EMAIL \_\_\_\_\_ License class: \_\_\_\_\_

ARRL Member ?      RACUS Member ?      ARES Member ?      CORT ?      VE ?

Additional Family Members (In same household) --

Name \_\_\_\_\_ Call \_\_\_\_\_

Name \_\_\_\_\_ Call \_\_\_\_\_

Introductory and Student Membership      \$ 20      \$ \_\_\_\_\_  
(Students under the age of 18 eligible for student membership)  
(Introductory membership open to new members  
or not a member in last 7 yrs)

Associate Membership <sup>A</sup>      (No Fee)

<sup>A</sup> Open to Fair Lawn Residents Only. No voting rights or other privileges.

Renewal of Current Membership      \$ 25      \$ \_\_\_\_\_

Three Year Renewal Incentive      \$ 65      \$ \_\_\_\_\_  
(Single memberships only, family memberships excluded)

Additional Family Members # \_\_\_\_\_ at      \$ 5 each      \$ \_\_\_\_\_

Life Membership      \$ 625      \$ \_\_\_\_\_

Senior Life Membership (65 yrs. of age or over)      \$ 250      \$ \_\_\_\_\_

Equipment Fund Donation, above regular membership dues      \$ \_\_\_\_\_

Total submitted      \$ \_\_\_\_\_

Date \_\_\_\_\_

I hereby acknowledge the By laws and rules and regulations of the club and will abide by them as amended.

Please Note: Memberships are NOT Pro-Rated. Membership is from Jan 1<sup>st</sup> to Dec. 31<sup>st</sup> of any given year unless documented otherwise.

Please make your dues check payable to the "Fair Lawn Amateur Radio Club" and remit to the following address:

Bruce Kalogera NJ2BK  
163 Meadow Lane  
Secaucus, NJ 07094

Mail sent to the clubhouse will be delayed due to  
Covid. See website for other membership options.

NOTE: A nice crisp PDF copy of the membership form can be easily downloaded from the club website at <https://fairlawnarc.com/membership.pdf>

## **December 2021**

### **FLARC Business Meeting**

Fair Lawn Amateur Radio Club  
Secretary's Minutes Prepared by David KD2MOB  
Annual Meeting of December 3, 2021

The Meeting was called to order by Nomar NP4H, at the Fair Lawn Senior Center and via Zoom video teleconference at 6:00 PM and concluded at 7:00 PM.

The Pledge of Allegiance was recited at 6:01 PM

David KD2MOB facilitated a roll call and a quorum was established.

President -	Nomar Vizcarrando	NP4H
V. President -	David Corsello	KD2JIP (not present as of 6:03 PM; arrived at 6:15 PM)
Treasurer -	Bruce Kalogera	NJ2BK
Secretary -	David Gotlib	KD2MOB
Trustees (3) -	Don Cassarini	K2PD
	Ed Efchak	WX2R
	Fred Wawra	W2ABE (not present as of 6:03 PM; arrived at 6:15 PM)

Note: 42 participants attended this hybrid meeting between in-person at the Senior Center and via Zoom video teleconference.

Opening Remarks by the President Nomar NP4H at 6:04 PM

Visitors Elsa Howard, wife and Tristen Howard, daughter of John Howard W2JLH / SK were in attendance.

New Business –

Bill WA2WL gave a verbal presentation on the FLARC Auction which took place on Friday, November 26th. Bill mentioned the number of buyers and sellers, donations, revenue and expenses.

Elections –

For the elections, Skip KD2BRV was appointed Judge, Jim N2JLF was appointed Teller and Mitch KD2IIU was appointed Teller. All three counted the votes and reported the result.

Four positions are uncontested:

President -	Nomar Vizcarrando	NP4H
V. President -	David Corsello	KD2JIP
Secretary -	David Gotlib	KD2MOB
Treasurer -	Bruce Kalogera	NJ2BK

Continued on next page.

## December 2021 FLARC Business Meeting, continued

Trustee - One Three-Year Term

Votes were cast for

Fred Belghaus	W2AAB,
Brain Cirulnick	KD2KLN or
Lowell Vant Slot "Van"	W2DLT

Voting ended at 6:37 PM.

The voting results were counted by the 2 Tellers and the Judge.

After receipt of the Official Ballot Results from the Judge to Nomar NP4H, the winner was announced - Brian KD2KLN.

Reminder from Ed WX2R –

The Annual Survey was sent to all FLARC members. When you have the opportunity please complete it. The email was sent to all members is from Survey.FairLawnARC@gmail.com

Jim W2JC stated the "Kawfee Tawks" which have been occurring are a result of last year's survey.

Gene WO2W stated that the next VE session is on Saturday, December 11th

Nomar stated the FLARC will be open on Friday, December 10th and the next "Kawfee Tawk" is on Friday, December 17th

Thank you to Bill WA2WL for leading the successful auction.

Thank you to Dave KD2JIP for the computer upgrade for the auction.

Motion to Adjourn -

Motion to close the meeting by Bill WA2WL, seconded by Skip KD2BRV.

Respectfully submitted on December 3, 2021 by David KD2MOB.

73.



Ballots being counted by Judge and Tellers.



Brian KD2KLN elected as new Trustee.



The "Auction Guys" –  
Bill WA2WL & David KD2JIP

Continued on next page.



## December 2021 FLARC Business Meeting, continued



Guests of honor: Elsa & Tristen Howard, with Fred W2AAB



Don K2PD with the "snacks."



Gene WO2W and Jim W2JC



PHOTOS BY  
NOMAR NP4H

